

Mackie's Greel Reserve

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA MAC K I

SITE NUMBER I

4001

DATE TRIP 1-9-1997

RECORDERS C/M/N/G

DATE TRIP _____

RECORDERS _____

DATE TRIP _____

RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Mackie Greel Reserve

Geographic Location

Latitude 31 59.3507 S Longitude 117 01 21.5 E Altitude

GPS

Accuracy

Map Sheet

HDOP 4.4

Photograph

Name

1/G

Number

Topographic Position

Upland

Upper slope

Midslope

Lower slope

Valley

Washline

(Circle the correct response)

2. SITE DATA Circle the correct response

Slope

flat

gentle

steep

Aspect N NE E SE S SW W NW

Surface Soil

clay-loam

Depth to Rock

?

Colour

red-brown

Exposed Rock

type

NONE % surface cover

size range

Litter

wigs, bark, vs

% surface cover

10-30

Depth (cm)

Bare Ground

% surface cover

30-50

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

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

3. VEGETATION STRUCTURE AND COVER

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

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

	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	10-30				
DOMINANT SPECIES	Euc. loxoph				
	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 (%)	30-70	10-20			
DOMINANT SPECIES	Ehrh. long Vulpia	Cotula Calandrinia Hemeria			

4. VEGETATION CONDITION

Comments

salt, grazed — weeds

20×20

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

ACAC

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

Ac. acuminata -

[illegible]

MACKIE CREEK RESERVE

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA MACKI SITE NUMBER 2
 DATE TRIP 1-9-1997 RECORDERS L/M/N/G
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____

Y002

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location Latitude 31°59'36.2 S Longitude 117°01'21.0 E Altitude
 GPS Accuracy H00P 6.4
 Map Sheet

Photograph Name Number

Topographic Position
 Upland
 Upper slope
 Midslope

Lower slope
 Valley
 Washline

(Circle the correct response)

2. SITE DATA Circle the correct response

Slope flat gentle steep Aspect N NE E SE S SW W NW
 Surface Soil clay loam Depth to Rock Colour red brown
 Exposed Rock type % surface cover NONE size range
 Litter twigs, lvs, bark % surface cover 30-70 Depth (cm)
 Bare Ground % surface cover 30-70

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

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

3. VEGETATION STRUCTURE AND COVER

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

Cover Class	2-10%	10-30%	30 - 70%	over 70%
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TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	2-10				
DOMINANT SPECIES	<i>Euc. salm</i> <i>E. loxo</i> <i>E. wandoo</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			over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10-20	2-10			
DOMINANT SPECIES	<i>Stipa</i>				

4. VEGETATION CONDITION

Comments

Lots dead Jam
many weeds no bye

20x20

name if required

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

E. wandoo -
Ac. acumin

USP

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

Y003

BUSHLAND AREA WCP SITE NUMBER 08

DATE TRIP 1-9- RECORDERS G/L/M/N

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location Qualen Rd

Geographic Location Latitude 32 05 42.6 S Longitude 116 34 04.0 E Altitude
GPS Accuracy ADOP 4.0
 Map Sheet

Photograph Name NG Number 29

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

2. SITE DATA Circle the correct response

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

Surface Soil clay loam Depth to Rock _____ Colour _____

Exposed Rock type _____ % surface cover NONE size range _____

Litter logs, lvs % surface cover 30-70 Depth (cm) _____

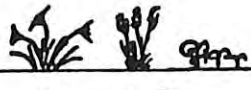
Bare Ground % surface cover 10

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

3. VEGETATION STRUCTURE AND COVER

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

Cover Class	2-10%	10-30%	30 - 70%	over 70%
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TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	2-10				
DOMINANT SPECIES	<i>Euc. Wandoo</i>				
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					2-10
DOMINANT SPECIES					<i>Vert chrys</i>
GRASSES		HERBS	SEDGES	over 0.5m	
				under 0.5m	
LIFE FORM					
COVER CLASS (%)	2-10	30-70		2-10	
DOMINANT SPECIES	<i>Nerachne alopec</i>	<i>Styp. glauca</i> <i>Boryst. sphaeroc</i> <i>Anthrop.</i>		<i>Choriz. enodis</i> <i>Desm. aspra</i>	

4. VEGETATION CONDITION

Comments

excellent

20×20

if required
same

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

ADD
Chorizanthe nodis
from cover sheet.

14110184
Crassula ? pedisilosa
Thysanotus tenellis
Thelymitra antirrhoea
Vulpia myuros

Hydrocolea callicarpa
14/10/97

Shenous sp.
Candrus finchus
Zalandrynia annel
Briza maxima

Hydroxylapatite
14/10/98
Airway
14/10/98

WCP2

Y004

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA WCP SITE NUMBER 02

DATE TRIP 31-8-1997 RECORDERS G/M/N/L

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location Latitude 32 08 28.6 S Longitude 116 33 14.3 E Altitude HOOP 3.7

GPS Map Sheet

Photograph Name NG Number 23

Topographic Position (Circle the correct response)

Upland ☐ Lower slope ☐ flat

Upper slope ☐ Valley ☒ ? swampy well drained

Midslope ☐ Washline ☐

2. SITE DATA Circle the correct response

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

Surface Soil sand Depth to Rock _____ Colour grey-white

Exposed Rock type _____ % surface cover NONE size range _____

Litter vs, twigs % surface cover 70-90 Depth (cm) 5-15

Bare Ground _____ % surface cover 2-10

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

3. VEGETATION STRUCTURE AND COVER

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

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

	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	2-10	10-30	2		
DOMINANT SPECIES	<i>Euc. patens</i>	<i>Bank. menz</i> <i>B. attenuata</i>	<i>Mel. preiss</i>		
	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2			10-30	
DOMINANT SPECIES	<i>Ad. cygnorum</i> <i>Jack force</i>			<i>Petrophile</i> <i>seminuda</i> <i>Erem. paucifl</i>	
	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		30-50			10-30
DOMINANT SPECIES		<i>Phleb ciliata</i>			<i>Lepidosperma</i> <i>Schoenus</i> <i>Lyginia</i>

4. VEGETATION CONDITION

Comments	very good - edge of dieback front!
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20x20

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
- Column 3 flowering time- TICK if species flowering
- Column 4 identification check

B. attenuata —
Mel. preissianae

[illegible]

with 2 raised veins on leaf edge

Wandoo Cons. PK (Bob. SWP)

Y005

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA WCP SITE NUMBER I

DATE TRIP 31-8-1997 RECORDERS M/N/2/G

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Fauna site

Road Location

Geographic Location Latitude 32°09 06.1 S Longitude 116°38 23.7 E Altitude
GPS Accuracy HDOP 4.3
 Map Sheet

Photograph Name NG Number 22

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

2. SITE DATA Circle the correct response

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

Surface Soil sandy clay Depth to Rock 2-20cm Colour grey

Exposed Rock type laterite % surface cover 2-10 size range 2-20

Litter lvs, twigs % surface cover >90 Depth (cm)

Bare Ground % surface cover

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES			MALLEES		
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	10-30				
DOMINANT SPECIES	<i>Euc. accedens</i>				
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		<i>Gast. tricuspa</i>		<i>Boss. eriocarpa</i> <i>Oxy. illic</i>	<i>Good. Sarsie</i>
GRASSES		HERBS		SEDGES	
	over 0.5m			under 0.5m	
LIFE FORM					
COVER CLASS (%)	<2	<2		<2	
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments *excellent*

4005

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No WCP I
Date 31-8-1997

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

For species flowering

Euc. a
CSA

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

name if required
Eur. accidents
(same).

[illegible]

Flowerhead broken off - hard and woody

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA WCP SITE NUMBER 05

DATE TRIP 1-9-1997 RECORDERS M/N/L/G

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Dieback Infected

Road Location

Geographic Location Latitude 32 07 37.3 S Longitude 116 30 20.4 E Altitude 400 P 3.0
GPS Accuracy
Map Sheet

Photograph Name NG Number 26

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

2. SITE DATA Circle the correct response

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

Surface Soil sandy clay Depth to Rock deep Colour grey

Exposed Rock type _____ % surface cover NONE size range _____

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

Bare Ground % surface cover 30-70

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%
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TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	2-10				
DOMINANT SPECIES	<i>Euc. margin</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>Kunzea ericif</i>			<i>Doriera pod</i> <i>Stirlingia latif</i> <i>Calytrix aurea</i>

GRASSES		HERBS		SEDGES	
	over 0.5m			over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	< 2	< 2			30-50
DOMINANT SPECIES					<i>Lyginia korbatu</i> <i>Mesomel tetrag</i>

4. VEGETATION CONDITION

Comments

good

old dieback site

lost Banksia's / Xanthorrhoeas

20×20

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5 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

Tick if species flowering

Record on Sheet

Y006

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

same

name of required
same
+ 1 Personia elliptica -

[illegible]

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

4007

BUSHLAND AREA WCP SITE NUMBER Ø4
 DATE TRIP 1-9-1997 RECORDERS N/L/G/M
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location Latitude 32 08 29.1 S Longitude 116 31 48.0 E Altitude _____
GPS Accuracy H DOP 3.6
 Map Sheet _____

Photograph Name NG Number 25

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

2. SITE DATA Circle the correct response

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

Surface Soil sand Depth to Rock deep Colour yellow

Exposed Rock type _____ % surface cover NONE size range _____

Litter twigs, lvs % surface cover 30-70 Depth (cm) 2-10cm

Bare Ground % surface cover 30-70

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 (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 (%)	10-30				
DOMINANT SPECIES	<i>Euc. marg.</i> <i>E. calophylla</i>				

SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10				
DOMINANT SPECIES	<i>Xanth. verticill.</i> <i>Lept. rubescens</i>				<i>Hibb. hypericoid</i> <i>Caloth. sanguin</i> <i>Boss. eriochrysa</i>

GRASSES		HERBS		SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	< 2	10-30			10-30
DOMINANT SPECIES	<i>Neurachne</i>	<i>Hypoch.</i> <i>Colhost.</i>			<i>Lepidosp. tenue</i>

4. VEGETATION CONDITION

Comments

logged in past

$$20 + 20$$

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

Record on Sheet

4007

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

same

[illegible]

nothing like a Dantona beer 15/10/98

17008

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA WCP SITE NUMBER 09

DATE TRIP 1 - 9 - 1997 RECORDERS N/L/M/G

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location Latitude 32 02 37.2 S Longitude 116 33 55.7 E Altitude 502

GPS Accuracy DP 5.2

Map Sheet

Photograph Name NG Number 30

Topographic Position (Circle the correct response)

☒ Upland Lower slope
☐ Upper slope Valley
☐ Midslope Washline

ridge

2. SITE DATA Circle the correct response

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

Surface Soil sandy clay Depth to Rock 2-10 cm Colour yellow

Exposed Rock type laterite % surface cover 30-50 size range 2-20 cm

Litter twigs, lvs, stems % surface cover 10-30 Depth (cm) 2-5

Bare Ground % surface cover (rock) + 10-20%

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

3. VEGETATION STRUCTURE AND COVER

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

Cover Class		2-10%	10-30%	30-70%	over 70%
TREES					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	2-10				
DOMINANT SPECIES	<i>Euc. accedens</i> <i>E. margin</i>				
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10			30-70	
DOMINANT SPECIES	<i>Dryand cessilis</i> <i>Dry. squarros</i> <i>Hakea cyclo</i>			<i>Pat. serrur</i> <i>Hibb hyp</i> <i>Allve hum</i> <i>Dry. arm</i>	
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-20	2-10			2-20
DOMINANT SPECIES		<i>Pat. occ</i>			<i>mixed</i>

4. VEGETATION CONDITION

Comments

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

E. acc
E. m...

SITE No WCP 09
Date 1-9-1997

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

E. acc ✓

E. marg -

[illegible]

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

4009

BUSHLAND AREA WCP SITE NUMBER 06

DATE TRIP 1-9-1997 RECORDERS G/M/N/L

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location Latitude 32 06 44.6 S Longitude 116 30 57.5 E Altitude
GPS Accuracy HDOP 3.2
 Map Sheet

Photograph Name NG Number 27

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

2. SITE DATA Circle the correct response

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

Surface Soil peaty sandy clay Depth to Rock Colour black

Exposed Rock type % surface cover NONE size range

Litter lvs, lgs % surface cover 30-70 Depth (cm)

Bare Ground % surface cover 0

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.

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

Cover Class					
TREES			MALLEES		
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	30-70	10-30			
DOMINANT SPECIES	<i>Euc. rudic.</i>	<i>Mel. raph.</i>			
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10		2-10		
DOMINANT SPECIES	<i>Vimin. junce</i>		<i>Aoutis interm.</i>		
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	10-20	30-70		30-70	
DOMINANT SPECIES	<i>weeds</i>	<i>Rannunc. color.</i>		<i>Lep. longitud.</i>	

4. VEGETATION CONDITION

Comments

4. VEGETATION CONDITION

Comments very good - excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

[illegible]

5. SPECIES PRESCENCE

SITE No WCP 06

Date 1-9-1997

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

[illegible]

temp spp query

TaxonId	SpCode	Genus	Species	Plot
✓ 3527	ACASAL	Acacia	saligna	YO09
✓ 176	AGRAVE	Agrostis	avenacea	YO09
6480	ANAARV	Anagallis	arvensis	YO09
3689	AOTINT	Aotus	intermedia	YO09
3710	BOSERI	Bossiaea	eriocarpa	YO09
✓ 244	BRIMAX	Briza	maxima	YO09
245	BRIMIN	Briza	minor	YO09
6214	CENASI	Centella	asiatica	YO09
306	DICCRI	Dichelachne	crinita	YO09
19649	DISBRA	Disa	bracteata	YO09
✓ 5763	EUCRUD	Eucalyptus	rudis	YO09
439	HEMUNC	Hemarthria	uncinata	YO09
✓ 6229	HYDDIA	Hydrocotyle	diantha	YO09
✓ 8086	HYPGLA	Hypochaeris	glabra	YO09
917	ISOMAR	Isolepis	marginata	YO09
1188	JUNPAL	Juncus	pallidus	YO09
937	LEPLON	Lepidosperma	longitudinale	YO09
5921	MELINC	Melaleuca	incana	YO09
5959	MELRHA	Melaleuca	rhopiophylla	YO09
✓ 15440	PATSP.	Patersonia	sp. Swamp form (N. Gibson & M. Lyon)	YO09
4346	PELLIT	Pelargonium	littorale	YO09
✓ 2932	RANCOL	Ranunculus	colonorum	YO09
✓ 8231	SONOLE	Sonchus	oleraceus	YO09
✓ 4292	TRICAM	Trifolium	campestre	YO09
4325	VIMJUN	Viminaria	junceae	YO09
1256	XANPRE	Xanthorrhoea	preissii	YO09

- Rudis
DARKIN
swamp

ML additions. 20/8/00

45 *Dasyneuxia quadrisetosa*.
46 *Microtis* sp. ssp. red.31136 *lobelia elata*.
32 *leptorhodia* - *leptorhodia*.
leptocarpus glauca.38 *Poa* for fly.39 *Mel preissii* - *preissii*.40 *Microlaena stipoides*41 *Subclover* $\frac{3}{4}$ *Trif* seeds42 *Calium* sp. *res. diu*43 *Eragrostis* pin plus on balabul.44 *Tarata* sedge. - *Baujan* var.

(Yolo)

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA WAMBA/W SITE NUMBER 1
DATE TRIP 1-9-97 RECORDERS _____
DATE TRIP _____ RECORDERS _____
DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Faint

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude
	31° 54' 00"	116° 38' 20.7"	100m - 1000m
		02.1"	3

Photograph Name NC8 Number _____

Topographic Position (Circle the correct response)

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

2. SITE DATA Circle the correct response

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

Surface Soil brown clay Depth to Rock _____ Colour _____

Exposed Rock type granite % surface cover less than 1% size range _____

Litter 70-90 % surface cover 2-5 Depth (cm)

Bare Ground ~10 % surface cover leaves twigs + bark

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	Euc wandoo						
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)			10-30				
DOMINANT SPECIES			Yucca port				
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	<2	<2			<2		
DOMINANT SPECIES							

4. VEGETATION CONDITION

Comments

very good

Y010

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No WAMB 1
Date 1-9-97
13/10/98

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc wandoo								13/10/98 Rhodantha polycephala			
								Trachymene cyathostala			
								Brachyscome pappusilla			
								Milletia tenuifolia			
								Hypochaeris glabra			
								Albinostrum drummondii			
MALLEES								Pterostylis sargentii			
				GRASSES				Calbellia sp. (fat stem)			
				Stipa trichophylla				Crassula colorata var colorata			
				Briza maxima				Podolpis carosensis			
				Stipa elegantissima				Vagenifera heugellii			
SHRUBS				Neurachne alopecuroides				SEDGES			
Gastrol parviflorum				13/10/98 Avena hirsuta							
Astroloma e. pacrid				Airo carophyllacea							
Leucopogon propinquus				Pentstemon airoides							
				Vulpia myuros							
				HERBS							
				Lomandra micrantha							
				Arctotheca calendula							
				Trachymene pilosa							
				Lomandra diffusa							
				Daucus glochid							
				Anagallis arvensis							
				Hypoxis glabella							
				Rhomulea varia							
				Pterocarpus nana							
				Eriochilus dilatata							
				Thysanot paterosa							
				Pterocarpus recurva							

Caladenia ? integrum 1-9 falcata
Helichrysum leucopseum 1-9
Trachymene strobila 1-9

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA WAMBYN SITE NUMBER 2

DATE TRIP 1-9-1997 RECORDERS _____

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location Latitude 31° 53' 46.7" S Longitude 116° 37' 25.5" E Altitude 400.3-3
GPS Map Sheet Accuracy

Photograph Name Number

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

2. SITE DATA Circle the correct response

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

Surface Soil sandy clay Depth to Rock Colour grey

Exposed Rock type granite % surface cover NONE size range

Litter + wigs, vs % surface cover 2-10 Depth (cm) 2cm

Bare Ground % surface cover 30-70

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

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES			MALEES		
	over 15 m	5 - 15 m	under 5 m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	10 - 30				
DOMINANT SPECIES	<i>Euc. wandoo</i>				

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

	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					1m
COVER CLASS (%)					30-20
DOMINANT SPECIES					Rumex crispus

4. VEGETATION CONDITION

Comments

Salt / weed affected

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

Time- TICK if species flowering

Date 1-9-11
13/10/98

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

No	Fl	ID

[illegible]

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 WMB 01
Date 13/10/99

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

SHRUBS (cont.)

No	FI	ID	HERBS (cont.)	No	FI	ID
			<i>Ellenburgeria dilatatus</i>			x
			<i>Crassula colorata</i> var <i>col.</i>			x
			<i>Podolepis greenessens</i>			x
			<i>Lagenifera hugelii</i>			x
			<i>Myrsine ? patersonii</i>			x

GRASSES

<i>Avena barbata</i> frut.	x		
<i>Aira caryophyllaea</i>	x		
<i>Pentachistis airoides</i>	x		
<i>Briza maxima</i>	x		
<i>Vulpia myuros</i>	x		
<i>Neurachne alopectroide</i>	v		

SEDGES

HERBS

<i>Anagallis arvensis</i>	x		
<i>Rodanthe</i> trives <i>polycephala</i>	x		
<i>Trachymene cyanopetala</i>	x		
<i>Brachycome perfoliata</i>	x		
<i>Melilotus</i> sp. = <i>M. loti</i> <i>taniflora</i>	x		
<i>Samolus rosea</i>	x		
<i>Hyssopus glabra</i>	x		
<i>Dracopis gladiatus</i>	x		
<i>Blennospora drummondii</i>	x		
<i>Pterostylis vitata</i> group <i>infruct</i> <i>sergentii</i>	x		x
<i>Labellia</i> sp. Fat Stem	x		
<i>Caladenia nigra</i> <i>falcata</i>	x		
<i>Lomandra effusa</i>	x		

Pescora
Data to be transferred to original sheets.

YOIO

- Box 001
- Leucop

RONAN I

Y012

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA ST. RONANIS SITE NUMBER 1

DATE TRIP 2-9-1997 RECORDERS 4/M/N/G

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location Latitude 31 52 30.8 S Longitude 116 36 08.6 E Altitude 4' 3
GPS Accuracy H DOP
 Map Sheet

Photograph Name NG Number 31

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

2. SITE DATA Circle the correct response

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

Surface Soil sand Depth to Rock _____ Colour orange-yellow

Exposed Rock type _____ % surface cover NONE size range _____

Litter twigs/stems % surface cover 30-70 Depth (cm) _____

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.

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	<i>Euc. calophyll</i>				
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10-30				10-30
DOMINANT SPECIES	<i>Leptos. rub</i> <i>Alloc. cornic</i> <i>Hakea trifurcata</i>				<i>Hibbert hyp</i> <i>Cal. sanguin</i>
GRASSES		HERBS	SEDGES	SEDGES	
	over 0.5m		over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	2-10	2-10		10-30	
DOMINANT SPECIES	<i>Vulpia</i>	<i>Hypochaeris</i>		<i>Lepidobot</i> <i>Lboxoc. asp</i>	

4. VEGETATION CONDITION

Comments

v. good - excellent
edge grazing - herbaceous weeds

ST. RONANS NR

20 x 20

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No ST RONAN I

Date 2-9-1997

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

Y012

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. Calophylla								Drosera macrantha			
								Anagallis humilis			
								Paladenia flava			
								Thysanotus pat			
								Leporella limb			
								Memoria flacc			
								Stylid repens			
								Trifolium campese			
MALLEES				GRASSES							
				Vulpia myuros							
				Nebrachne alopec							
SHRUBS								SEDGES			
Leptospermum rubescens								Lepidosiphon chaetac			
Hakea trifurcata								Dipsacis asp			
Calotham sang								Schoenus clandest			
Hibb hyperic								Tetralia octand			
Bossiaea eriocarpa								Hypolaena exsulca			
Xanth poeissii				HERBS				Schoenus curvif			
Allocas cornic				Ursinia anthem							
Dry lindleyi				Hypoch glabra							
Acacia pulchella				Pylorochis nigric							
Allocas humilis				Conostylis setigera							
Macroz riedle				Trachym pilosa							
Conospermum stoech				Quinnetia urviller							
Astrol pallidum				Calad flava							
Hibbert huag				Lagunit huea							
Hakea ruscifolia				Isotrop cuenif							
Acacia applanata				Haemod laxum							
? Sollya				Millotia mto tenuif							
				Waitzia (yellow-white pink)							
				Chaemasc corymb							

Rhodanthe citrina (white flwr) (usd)

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

_____ flowering

Record on Sheet

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

SITE NO.	Date	No	FI	ID
10	13/16/98			
TREES	No	FI	ID	
E. wardo		x		
MALLEES	No	FI	ID	
SHRUBS	No	FI	ID	
GRASSES	No	FI	ID	
Native Salty grass - Parapholis incurva x				
Eriza maxima				
Vulpia myuros				
HERBS	No	FI	ID	
Cressida strumalis bulbifera x				
Hemerocallis flaccida x				
Pomoloma rosea x				
Arc Cape Weed x				
Centropus stipes polysperma x				
Gnadenia sp. ocellata x				
Thelymitra sp. (fruit) x				
Catula coronopifolia x				
Burchardia multiflora x				
Gnathosus ? tenuis / tridens x				
Ovinetia uvillai				
Gnephosis drummondii				
SEDGES	No	FI	ID	

(Y013)

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA RONA 11 SITE NUMBER 2

DATE TRIP 2-9-1997 RECORDERS L/M/N/G

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location Latitude 31 53 01.0 S Longitude 116 35 19.5 E Altitude
GPS Accuracy H00P 5.2
Map Sheet

Photograph Name NG Number 32

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

2. SITE DATA Circle the correct response

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

Surface Soil Depth to Rock 10cm Colour

Exposed Rock type granite % surface cover 10-30 size range 10-50
stems needles

Litter Castwigs % surface cover 70-90 Depth (cm)

Bare Ground % surface cover 0-10

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

3. VEGETATION STRUCTURE AND COVER

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)		30-70					
DOMINANT SPECIES		<i>Allocas. hueg.</i> <i>Ac. lasiocarpa</i>					
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)	2-10		2-10				
DOMINANT SPECIES	<i>Hakea petiolaris</i>		<i>Leptos. rub</i>				
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM		mostly <i>Borya</i> 				1m	
COVER CLASS (%)	2-10	10-30	2-10		<2		
DOMINANT SPECIES	? <i>Danthonia</i>	<i>Chaem. corymb</i> <i>Picrochis</i> <i>Dracopis</i>	<i>Lepidosp. viscid</i>				

4. VEGETATION CONDITION

Comments

excellent

ST RONANS NR
DUNELAND PL

IAN5 NR

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

date, number, site code, date and plant's name or

20x20

5. SPECIES PRESCENCE

S. SPECIES
SITE No RONAN 2
1997

Date 2-9-1997

13-10-1998

BUSHLAND PLANT SURVEY RECORDING

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

YC13

TREES

TREES

Alloca	huegeliana
Acacia	lasiocalyx

MALLEES

SHRUBS

SHRUBS

Leptospermum erubescens ✓
Strobl monogyna ✓
Glissrochoryon ✓
Leptospermum erubesc ✓
Hailea petiolaris ✓
Dampiera laevigata ✓
Astroloma serratifolium ✓

SHRUBS (cont.)

GRASSES

GRASSES

- *Neurachne alopec*
- *Stipa elegantiss*
- *Amphipogon* ~~strut~~ / strut
- *Avellinia micheli*

HERBS

HERBS	
Borvia	sphaeroceph
Drosera	macrantha
"	glandulig
Pyrolis	nigricans
Chamaec	cornub
Stylidium	bulbit
Hypochaeris	glabra
Stylis	brunnean
Millettia	paniculata
Caesia	micrantha
Trachymene	pilosa
Podolthea	angust
Levenh	pugilla

12/16/98

13/16/98
Wohlschlagia sp.
✓ *Blennospora drummondii*
✓ *Opecularea* sp. vaginatus
- *Blennospora drummondii*

HERBS (cont.)

HERBS (cont.)

- Drosera erythrorhiza*
- Thysanotus marginalis*
- Brachycome iberidifolia*
- Pterochaeta pinnatifida*
- Potentilla latifolia*
- Leporella fimbriata*
- Wurmbea tenella*
- Stylidium petrobium*
- Tupiza coccinea*
- Aphelia cyparissias*

SEDGES

SEDGES (as Tutang)
~~Lepidosperma~~ ^{discid} brunon 100
 (fence)

13/10/98

13/10/98

- ✓ *Aira caryophyllaea*
- ✓ *Centrolepis aristatus*
- ✓ *Hydrocotyle* sp. *callicarpa*
- ✓ Cape weed *Acetotheca rotundula*
- ✓ *Stylidium calcaratum*
- ✓ *Paranthera microphylla*
- ✓ *Caesia* x *micrantha*
- ✓ *Stipa macalpinie*
- ✓ *Shoens* *nanus*
- ✓ *Wintersia paniculata* *Pterochloa* *penniculata*
- ✓ *Arisingia urvillii*
- ✓ *Lachenkha* *pucilla*
- ✓ *Vulpea* *nana*
- ✓ *Stipa* *compressa*
- ✓ *Orosera glaucigera*
- ✓ *Podolepis*
- ✓ *Crasula peteolaris*
- ✓ *Burchardia congesta*
- ✓ *Centrolepis* *fulva*
- ✓ *Wintersia* *peruviana*

✓ *Gneophthalmis taurissina* 13/10 ✓

7014

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA WAW DOD CONS PARK SITE NUMBER CATCH #1

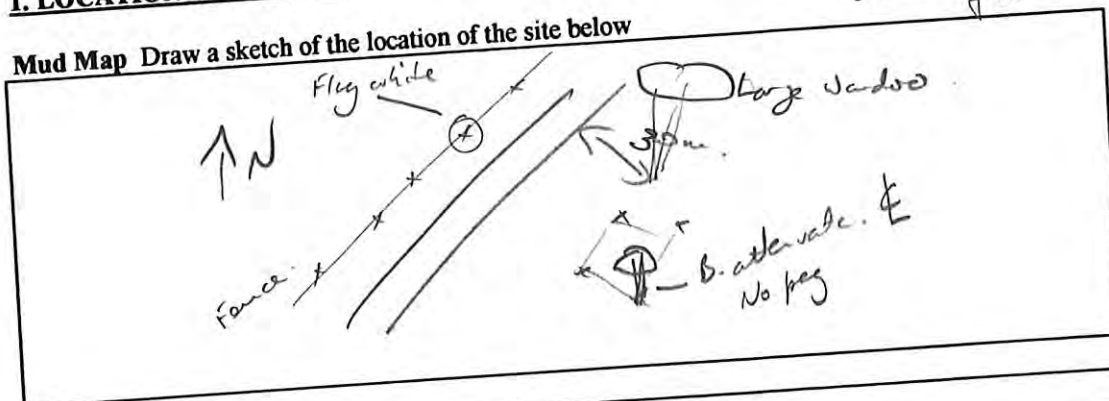
DATE TRIP 11 Sept 1997 RECORDERS NG, LD

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 32 10 02 S Longitude 116 38 29 E Altitude _____
GPS Accuracy ±100m
 Map Sheet _____

Photograph

Name NG

Number 04

Topographic Position

Upland

Upper slope

Midslope

Lower slope

Valley

Washline

(Circle the correct response)

2. SITE DATA Circle the correct response

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

Surface Soil Grey sand Depth to Rock _____ Colour _____

Exposed Rock type _____ % surface cover _____ size range _____

Litter 60% % surface cover 2 Depth (cm) _____

Bare Ground 10% % surface cover _____

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

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM		OUTSIDE plot 	6m. 		
COVER CLASS (%)		2-10	10-30		
DOMINANT SPECIES		Euc wandoo	Banksia atka. Banksia veg.		
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			2-10		30-70
DOMINANT SPECIES			Jacksonia Danksia ssp ? Eremia		Hib. subveg. Grostylis Pterodroma white
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					2-10
DOMINANT SPECIES					Schoenus sp.

4. VEGETATION CONDITION

Comments

20/20

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

use pencil only

plant's name or working name if required

Euc. wandoo

5. SPECIES PRESCENCE

SITE No CATCH#1

Date 11 Sept '77

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

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]

To Talbot Rd.

KEMPTON RD

→ To Doba deny Swamp

WANDOO
CONSERVATION
PARK.

PRIVATE
PROPERTY

1.17 km

360 m



BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA WANDOO GNS PARK SITE NUMBER DARTHEW 01

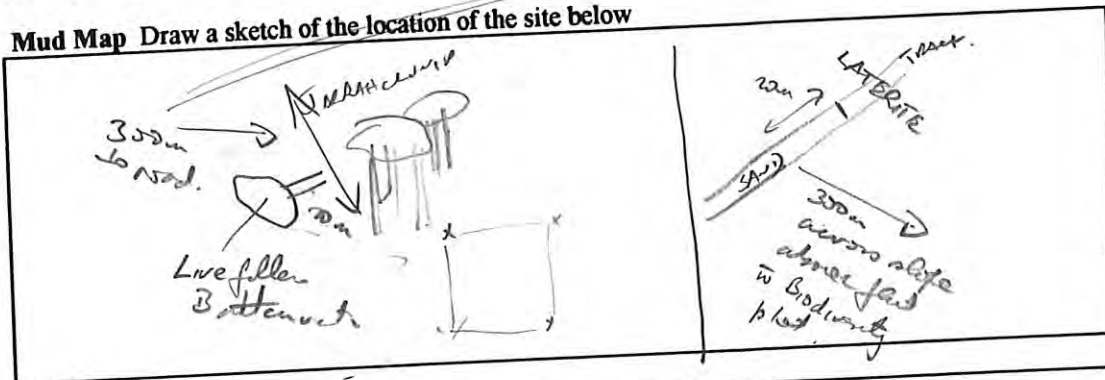
DATE TRIP 11 Sept 1997 RECORDERS NS LD

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Flagged white tape

Road Location

Geographic Location Latitude 32 07 39.4 S Longitude 116 30 13.1 E Altitude _____
GPS Accuracy 2.7
Map Sheet _____

Photograph

Name NS

Number 02 (but put way through roll)

Topographic Position

Upland
Upper slope
Midslope

Lower slope
Valley
Washline

(Circle the correct response)

2. SITE DATA Circle the correct response

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

Surface Soil grey sand Depth to Rock _____ Colour _____

Exposed Rock type _____ % surface cover _____ size range _____

Litter 80 % surface cover _____ Depth (cm) 2

Bare Ground 5 % surface cover _____

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

AMQ
453181
6445299

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	2-10		
DOMINANT SPECIES		JARRAH	Banksia <i>etc</i>		
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				10-30	10-30
DOMINANT SPECIES				Lantern sp.	Philoscyon white
				Hibiscus subveg	
GRASSES					
	HERBS		SEDGES		over 0.5m
					under 0.5m
LIFE FORM					
					
COVER CLASS (%)					
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

lots juvenile seedling *Banksias*
Rebuck low slope

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 DARNIN 01

Record on Sheet

Date 11 Sept 1957

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

Paracelera nigrita

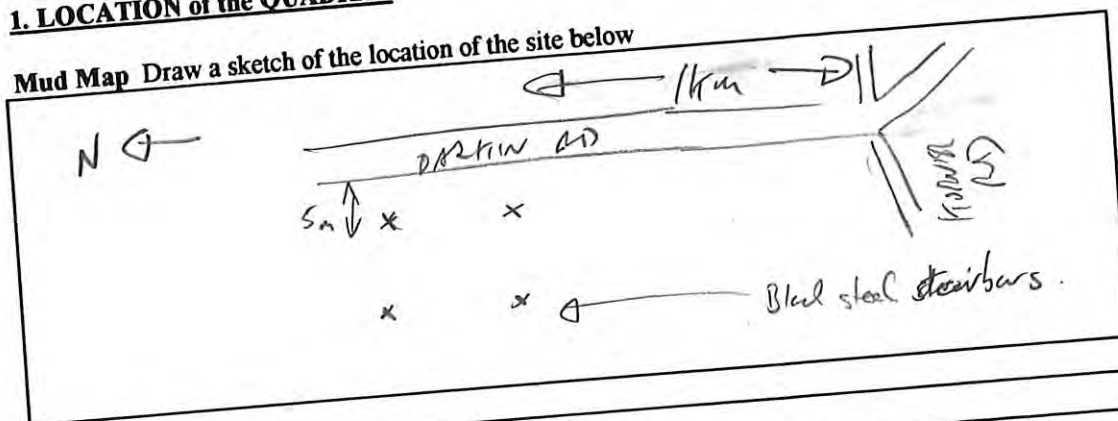
BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

Y016

BUSHLAND AREA WANDOLONG PARK SITE NUMBER DARKW02 (Ecol 13)
 DATE TRIP 11/Sep/1997 RECORDERS NG, LD
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 32 07 56 S Longitude 116 30 29 E Altitude _____
 GPS Accuracy _____
 Map Sheet _____

see Wandoo report

Photograph Name NG Number 03
 Topographic Position (Circle the correct response)
 Upland _____
 Upper slope _____
 Midslope _____
 Lower slope _____
 Valley _____
 Washline _____
 Ridge crest _____

2. SITE DATA Circle the correct response

Slope flat gentle steep Aspect N NE E SE S SW W NW
 Surface Soil CLAY Depth to Rock _____ Colour RED-BROWN
 Exposed Rock type GRAVITZ % surface cover 10 size range 5-20
 Litter 10 % surface cover _____ Depth (cm) _____
 Bare Ground 20 % surface cover _____

GRAVITZ OUTCROP NEAR PLOT

AMG
 453600
 6444790

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>Eucalyptus</i> <i>Allocasuarina</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 (%)		10-30			10-30		
DOMINANT SPECIES	<i>Anthoxanthum</i>	<i>Agrostis capensis</i> <i>Podolopus</i>			<i>Lolium perenne</i> <i>Lolium perenne</i>		

4. VEGETATION CONDITION

Comments

Some layers Gordale died out

Y016

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No DARRIN 02

Date 11/10/97

18-10-1998

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

Record on Sheet				No	FI	ID	HERBS (cont.)				No	FI	ID
TREES				No	FI	ID	SHRUBS (cont.)				No	FI	ID
Eucalyptus wandoo							Myrsine patens						
Allocaasia fraseri							? Stilacis						
							Antheropodium capill						
							Pterostylis recurva						
							Milla sp. tenuiflora						
							Chamaecallis						
							Ann Stylidi						
							Craspedium						
							Ptilotus declinatus						
							Stachys lanuginosa						
							Luzula hughesii						
							Thymus & Thymus						
							Burchardia stricta						
							SEDGES						
							Demodochium repens						
							Collected small sedge						
							Lepidosiphon - same						
							Lepidosiphon - different						
							14/10/98						
							Stylidium calcaratum						
							Lissonanthus - small/pinnate						
							Haemodorum simplex						
							Watsonia/peniculata						
							Glossantherium sp. hooded petals						
							large lily - Coesia micrantha						
							Hedysarum cotula						
							Chamaecella corambosa						
							Stellaria nanus						
							Renealmia drummondii						
							Aira Caryophyllaea						
							Stylidium rosette - hirs. four						
							Craspedium variabale						
							Hydrocotyle sp. calycifer						
							Hibbertia hypericoides						
							Acacia - small						
							Vulpia myuros						
							Ptilotus manglesi						
							Schoenus unispiculatus						

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA MOK SITE NUMBER I

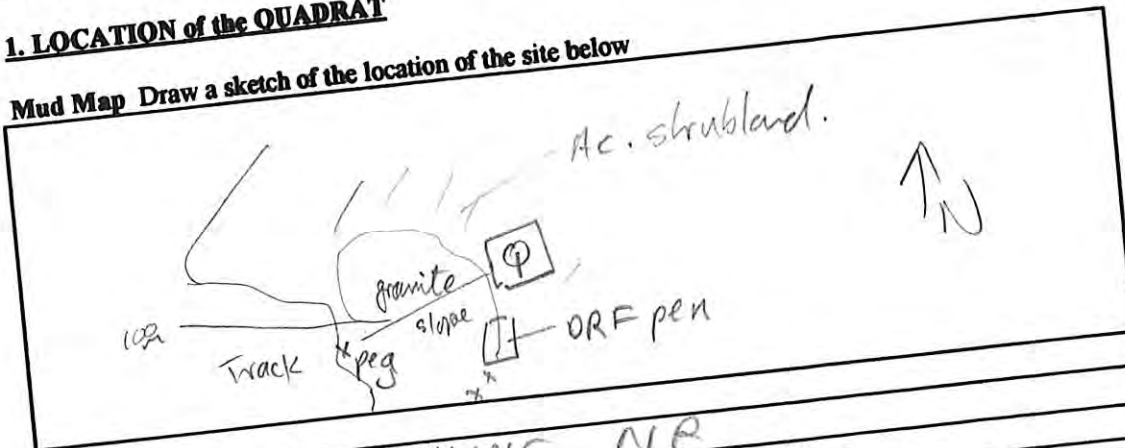
DATE TRIP 2-9-1997 RECORDERS L/M/N/G

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

MOKINE NR

Geographic Location

Latitude

34°47'14.7" S

Longitude

116°35'18.6" E

Altitude

400 P 4.1

Map Sheet

Photograph

Name

NG

Number

33

Topographic Position

Upland

Upper slope

Midslope

Lower slope

Valley

Washline

(Circle the correct response)

granite

2. SITE DATA Circle the correct response

Slope flat gentle steep

Aspect N NE E SE S SW W NW

Surface Soil sandy clay

Depth to Rock 20-30cm

Colour brown

Exposed Rock

type granite

% surface cover

10-30

size range 10-40cm

Litter

lvs, twigs

% surface cover

70

Depth (cm)

5-20

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.

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 (%)			>70%				
DOMINANT SPECIES			Ac. lasiocalyx Alloc. huegelia				

SHRUBS					SHRUBS
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			2-10		
DOMINANT SPECIES			Dodon. vis Trym. led		

GRASSES		HERBS		SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<2	>70 >70			2-10
DOMINANT SPECIES		Borya sphar Styp. glauc Cherilanthes			Lepidosp - Visc

4. VEGETATION CONDITION

Comments

excellent

Y018

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA MOKI (NE) SITE NUMBER 2

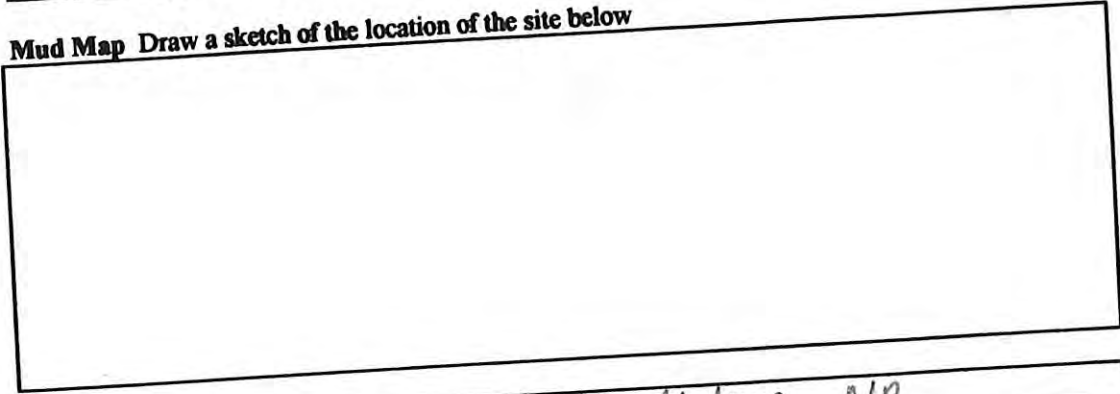
DATE TRIP 2-9-1997 RECORDERS L/M/N/G

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location Leaver Rd, Mokine NR

Geographic Location Latitude 31 47 40.6 S Longitude 116 35 15.2 E Altitude 460956
GPS Accuracy HDDP 2.0
 Map Sheet 6482244

Photograph Name NG Number 34

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

2. SITE DATA Circle the correct response

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

Surface Soil sandy clay Depth to Rock _____ Colour grey

Exposed Rock type NONE % surface cover _____ size range _____

Litter twigs % surface cover 30-70 Depth (cm) 5cm

Bare Ground % surface cover 10-30

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>Euc. wandoo</i>				
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	< 2				2-10
DOMINANT SPECIES	<i>Gastrol. spinos</i>				<i>Hakea lissoc</i> <i>Opere vag</i>
GRASSES		HERBS	SEDGES	over 0.5m	
				under 0.5m	
LIFE FORM					
COVER CLASS (%)	< 2	30-70		10-30	
DOMINANT SPECIES		<i>Berya sph</i> <i>Conostyl setig</i> mixed annuals		<i>Schoen clandest</i> <i>Lepidos perva</i>	

4. VEGETATION CONDITION

Comments Prominent termite mounds

Cut over ca >20yrs, regenerating

MOKINE NR

20x20

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

Acacia lasiocalyx -
Euc. wandoo -

				Column 4 Identification check							
TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. wandoo								Xanthosia huegel			
Acacia lasiocalyx								Trichocline spath (glab below)			
								Arthropodium capillip			
								Lomandra micrantha			
								Drosera glandulig			
								Caladema flava			
								Styphandria glauca			
MALLEES								Drosera macranth			
				GRASSES				Platysace patonae			
				Nerachne alopec				Calladenia reptans			
				Stipa campylotera				Parranthele latifolia			
				Bizla max							
SHRUBS								SEDGES			
Oreocaulum vagin								Schoenus claudetanus			
Gastrolob spinosum								Lepidosperma (iret) pulvisquian			
Urtica lissocarpha								Dismodlad asper			
Olearia paucidens								Tetraria octand			
Boronia				HERBS				Schoenus unispic			
Tetradlea concolorifolia				Hypoxis occid							
Calytrix breviflora sub stipitata				Conostylis setigera				14/10/99 / Perodactyl			
Hibbert hyperic				Sowerbaea laxiflora				Wittsta paniculata			
Gomphol marginat				Cassia micrantha				Stylidium calcaratum			
Sollva heterophylla				Laxmann grandit				Perenichisella latifolia			
Dampiera linearis				Rhamnus scorymb				Aira caryophylla			
Hibbert commut				Perostylis recurva				Brea spheracarpa			
Dryandra lindley				Stylid brunonian				Schoenus nana			
Passiflora pomif				Lageniera huegel				Crassula ? pedicilosa			
Jack sonia (in flower 14/10/98)				Romulea rosea				Diuris sp. corymbosa			
Restioides				Eriochilus multifl				Fribenanthus sp. glabratus			
				Theymitra (collected 14/10/98)				Loricaria aspera			
				Prosera stolonif				Labellia with fat stems			
								Trachymene pilosa			

Y019

Mokine NR

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA MOKI(NE) SITE NUMBER 3

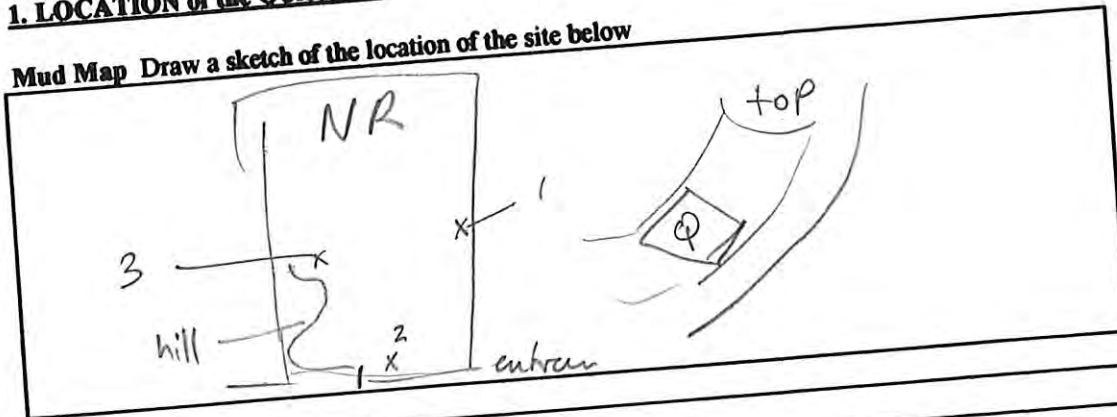
DATE TRIP 2-9-1997 RECORDERS L/M/N/G

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 31 47 14 S Longitude 116 34 38.9 E Altitude 459998
GPS Accuracy HDP 1.7
Map Sheet

HMG
459998
6483059

Photograph Name NG Number 35

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 sandy clay Depth to Rock variable Colour orange-brown

Exposed Rock type laterite % surface cover 2-10 size range 5-20

Litter lvs, bark, stones % surface cover >90 Depth (cm) 2-10

Bare Ground % surface cover 0

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

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

3. VEGETATION STRUCTURE AND COVER

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

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

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

SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<2			10-30	<2
DOMINANT SPECIES	<i>Xanth-drumm</i>			<i>Hypocal-ang</i>	<i>Goodenia fasci</i> <i>Astil. epacrid</i>

GRASSES		HERBS		SEDGES	
	over 0.5m	under 0.5m	over 0.5m	under 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<2	<2			10-30
DOMINANT SPECIES					<i>Lahnia drumm</i>

4. VEGETATION CONDITION

Comments *excellent*

MOKINE N.R.

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No MOKI 3
Date 2-9-1997
14-10-1998

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

SITE No MOKI 3
Date 2-9-1997
14-10-1998

Record on
Y019

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

TREES			SHRUBS (cont.)			HERBS (cont.)			No	FI	ID
Euc. accedens											
						</					

MT Hardy NR - E York
BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA MT HARD SITE NUMBER I

DATE TRIP 2-9-1997 RECORDERS L/M/N/G

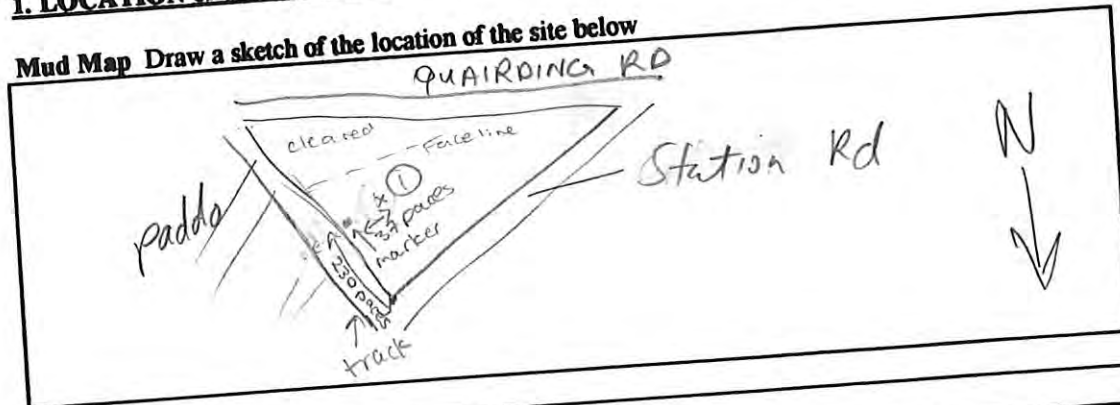
DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

4020

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 31 53 52.1 S Longitude 116 51 49.8 E Altitude 487124
 GPS Accuracy HDOP 6.7
 Map Sheet 6470871

Photograph Name NG Number 37

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

2. SITE DATA Circle the correct response

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

Surface Soil loam Depth to Rock 2-50 Colour red-brown

Exposed Rock type granite % surface cover 42 size range 20-30

Litter twigs, vs, stems % surface cover >90 Depth (cm) 5-10

Bare Ground % surface cover 2%

3. VEGETATION STRUCTURE AND COVER

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

4. VEGETATION CONDITION

Comments

Excellent

old wood cutting has occurred

Hardy WK = 2

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

enter site code, date and plant's name or

name if required

same

5. SPECIES PRESCENCE

SITE No M+ HARD I

Date 2-9-1997

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

[illegible]

MT Hardy NR

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA MT HARD SITE NUMBER 2

DATE TRIP 2-9-1997 RECORDERS L/M/N/G

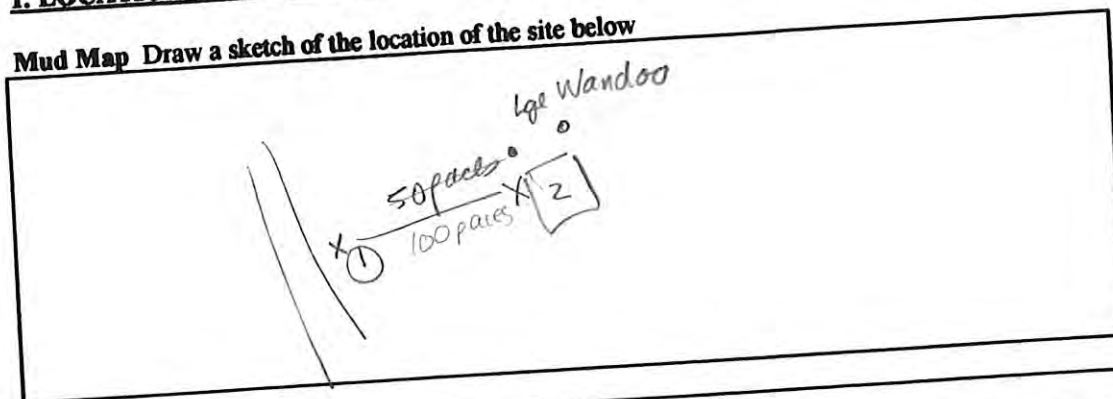
DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

4021

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 31 53 53.2 S Longitude 116 51 43.6 E Altitude 486961

GPS Accuracy HOOP 5.1

Map Sheet

AMG
486961
6470837

Photograph Name NG Number 1

Topographic Position (Circle the correct response)

Upland ☐ Lower slope ☐

Upper slope ☐ Valley ☐

Midslope ☐ Washline ☐

2. SITE DATA Circle the correct response

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

Surface Soil loam Depth to Rock _____ Colour _____

Exposed Rock type NONE % surface cover _____ size range _____

Litter lvs, twigs % surface cover 30-70 Depth (cm) 2-10

Bare Ground % surface cover 10-30 (0% spring)

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		10-30		
DOMINANT SPECIES	<i>Euc. wandoo</i>		<i>Ac. acumin</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>Hemig. incana</i>	
GRASSES		HERBS	SEDGES	over 0.5m	
				under 0.5m	
					
LIFE FORM					
COVER CLASS (%)		10-20	30-70	<2	
DOMINANT SPECIES		<i>Stipa eleg</i> <i>Neracme</i> <i>Aristida cont</i>	<i>Borya</i> lots		

4. VEGETATION CONDITION

Comments

very good - excellent

Y021

MT HARDY NR

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x20

5. SPECIES PRESCENCE
SITE No MT HARD 2
Date 2-9-1997

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 PRESENT
 SITE No MT HARD 2
 Date 2-9-1997

Record on Sheet

• Column 2 plant name
 • Column 3 flowering time-
 • Column 4 identification check

				HERBS (cont.)				No	FI	ID
TREES				SHRUBS (cont.)				No	FI	ID
Euc wandoo				Eriochil dilat						
Acac acumin				Erodium cygnorum						
				Ptilotus declinatus						

St Andrews Church Reserve

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA St Andy SITE NUMBER I

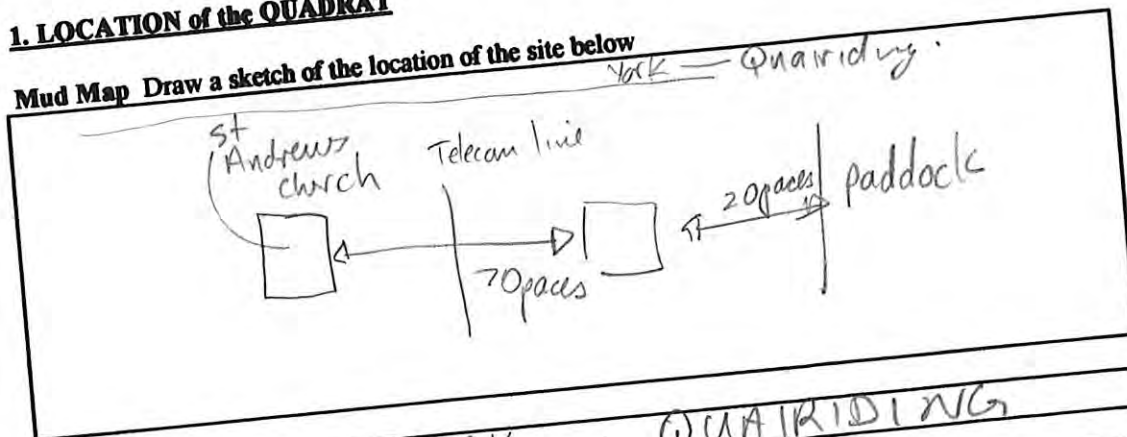
DATE TRIP 2-9-1997 RECORDERS L/M/NG

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

YORK - QUADRILING

Geographic Location

Latitude 31 56 44.5 S Longitude 116 58 30.4 E Altitude 497648
GPS Accuracy HDOP 6.1
 Map Sheet

Photograph

Name

NG

Number

2

Topographic Position

Upland

Upper slope

Midslope

Lower slope
 Valley
 Washline

(Circle the correct response)

2. SITE DATA Circle the correct response

Slope flat gentle steep

Aspect N NE E SE S SW W NW

Surface Soil clay-loam

Depth to Rock

Colour red-brown

Exposed Rock type

% surface cover

NONE

size range

Litter ls, twigs

% surface cover

70-90 Depth (cm)

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.

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	<i>Euc. Salmono</i>				
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)			2-10		2
DOMINANT SPECIES			<i>Rhagodia pr</i> <i>Acacia mrs</i>		<i>Eremophila ?seppens</i> <i>Enchylaen +om</i>
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM					
COVER CLASS (%)	2-10-30	<2			
DOMINANT SPECIES	<i>Stipa elegant</i> <i>u trichophylla</i>				

4. VEGETATION CONDITION

Comments

very good

timber cutting, vehicles

cemetery scene

ST. ANDY

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA St Andrews SITE NUMBER 2

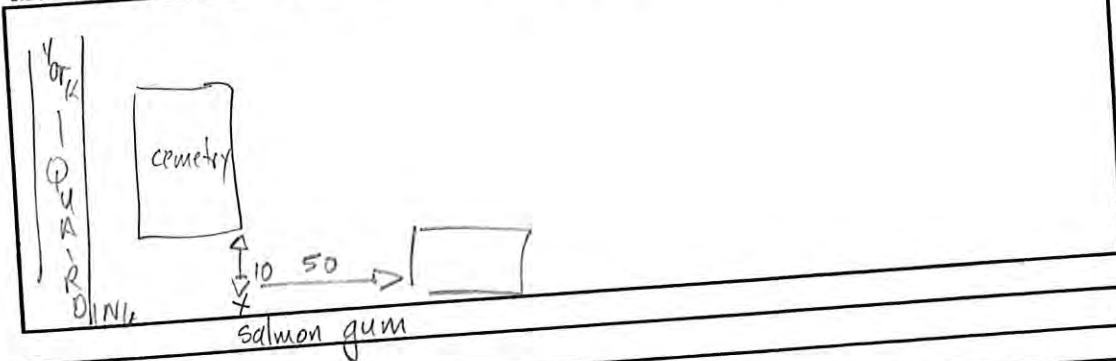
DATE TRIP 2-9-199- RECORDERS L/M/N G

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 31°56'47.3 S Longitude 116°58'24.3 E Altitude 497488
 GPS Accuracy HDOP 4.7
 Map Sheet

Photograph

Name NG Number 3

Topographic Position
 Upland
 Upper slope
 Midslope

Lower slope
 Valley
 Washline

(Circle the correct response)

2. SITE DATA Circle the correct response

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

Surface Soil clay loam Depth to Rock deep Colour red-brown

Exposed Rock type _____ % surface cover NONE size range _____

Litter lvs, twigs % surface cover 10-30 Depth (cm) _____

Bare Ground % surface cover 30-50

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

good — poor
past. grazing, timber culting
Rabbits — mbye severe
localized weeds.

Y023

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x20

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

same

[urb - E. wandoo]

5. SPECIES PRESCENCE

SITE No St ANDY 2

Date 2-9-1997

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 numbs.				flowering time- TICK if species flowering				identification check				
SITE No St ANDY 2				Date 2-9-1997																
TREES				No	FI	ID	SHRUBS (cont.)				No	FI	ID	HERBS (cont.)				No	FI	ID
Euc. loxophleba							Hypoxis glabella							Hypochaeris glabra						
Acacia adumin														Homera glacid						
														Hyalospermum (yellow)						
														Rhodanthe leaves						
														Triglochin calcitr ssp inarum						
														Trachym ornata						
														Thysan paterson						
														Trachym cyanopet						
														Actinobole uligin						
														Podolepis lepperi						
														Daisy sp						
														Calotis hispid						
														Calandrinia calyptrot						
														SEDGES						

Y024

St Ronan's NR

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA RONAN SITE NUMBER 3

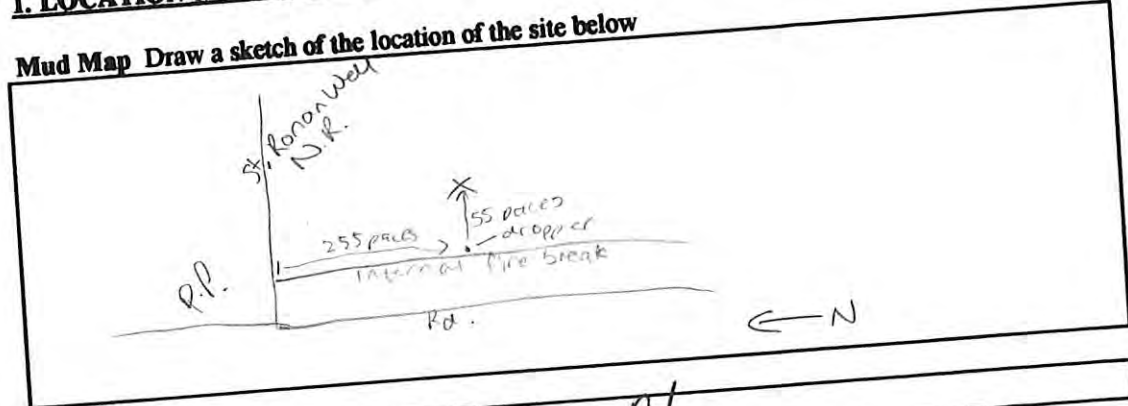
DATE TRIP 2-9-1997 RECORDERS L/M/N/G

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location Wamblyn Rd

Geographic Location Latitude 31 52 39.7 S Longitude 116 35 23.3 E Altitude 461203
GPS Accuracy HDOP 4.0
 Map Sheet 6473035

Photograph Name NG Number 36

Topographic Position (Circle the correct response)
Upland Lower slope
Upper slope Valley
Midslope Washline
just over hill top

2. SITE DATA Circle the correct response

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

Surface Soil sandy clay Depth to Rock ? Colour grey
pebbles

Exposed Rock type laterite % surface cover 10-20 size range 2-10cm

Litter std. twigs % surface cover 30-70 Depth (cm) 2-10
lvs

Bare Ground % surface cover 70-30

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	over 8m	under 8m
LIFE FORM				
COVER CLASS (%)		10-20		
DOMINANT SPECIES		<i>Euc. accedens</i>		

SHRUBS				SHRUBS
	over 2m	2m - 1.5m	1.5 - 1m	under 0.5m
LIFE FORM				
COVER CLASS (%)				
DOMINANT SPECIES			<i>Petroph. divar</i> <i>Persoonia</i> <i>gung.</i>	

GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	< 2	< 2			2-10
DOMINANT SPECIES					<i>Desm. asp</i> <i>Ret. obt</i>

4. VEGETATION CONDITION

Comments

excellent - no sign of culting, grazing

Y024

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x20

name if required

same

5. SPECIES PRESCENCE

SITE No RONAN 3Date 2-9-1997Label 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

SITE No 3 Date 2-9-1997		Record on		Column 2 plant		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
Euc. accedens					Hypocalymum angustifol					Blennospora drummi				
					Petrophile divaric					Pterochabta panic				
					" striata					Lomand micrantha				
					Hibbertia ? huegelii					Hydrocotyle (a. brachyloba)				
					Dryandra bipinnat					Pterostyll recurva				
					Allocas humilis					Tricenthe ? hum				
					Monotaxis grandiflora					Patelesoma juncea				
					Trymalium angustifol					M. lotia dysidifolia 2/9				
MALLEES					GRASSES									
					Newachne alopecuroides									
SHRUBS										SEDGES				
Lechen biloba					tenuiflora (strangit. flus)					Desmodia fasc				
Grevillea pilulif					monticola					Lepidosperma (terete) all				
Calothamn sanguin										" (Liat)				
Dryandra armata										Desmod asp				
Isopogon dubius					HERBS									
Grevillea synaphea					Conostylis setigera					Dampiera (restia) ?				
" tenuiflora					Stylidium crepens					Acacia applanata				
Hibbertia hyrc					Trachym pilosa					Tetratheca (as Mok 2)				
Verticordia serrata					Drosera erythrorhiza					Gomphol marginat				
Xanthorrhoea preissii					Stylidium pilif. hispid					U. Hibbertia ?				
Styphelia tenuifl					Diuris									
Persoonia quing					Cynelymitra									
Gastrolobium villos					Stylid repens									
U. Hibbertia commut					Pterostyll									
" enervia					Drosera macrantha									
Acacia pulchella var reflex					Hypochaeris glabra									
Hakea lissocarpa					Habenaria									
Laslopet ? cordatophylla					Lomandra nutans									
Chamaecrista (retic)														
Xanthorrhoea ciliata														

13/10/98
glabratum
Stipa maculosa
Pimelea sp. (sterile)
purple enamel orchid

Araucophila
Tetrastemon confertiflor
Dendroica lucida

17/10/98
Stylidium hirsutum may = piliferum
Mollisia sp. tenuiflora
Poranthra microphylla
Shoens nana
Leverhooia stipitata hucella
Pentastemon cirroide
Drosera pinnatifida
Pterodroma penicillata

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA WCP SITE NUMBER Φ3

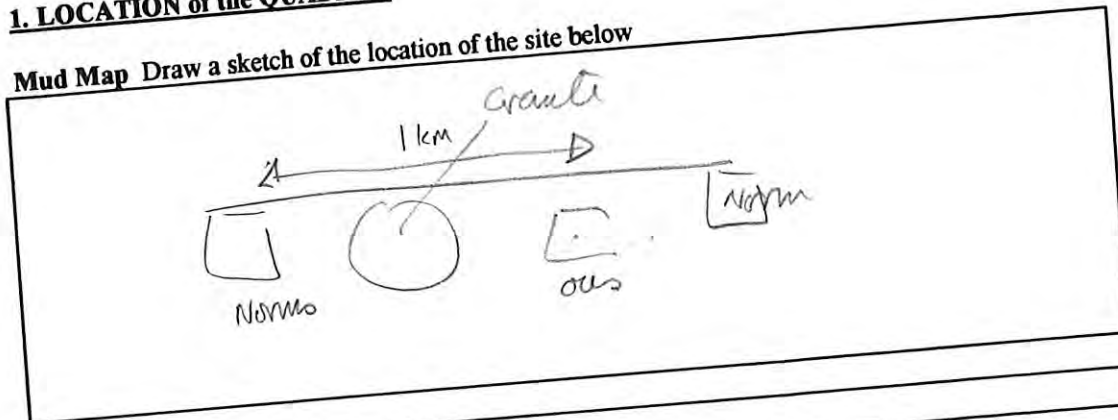
DATE TRIP 1-9-1997 RECORDERS L/G/M/N

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 32° 08' 30.5" S Longitude 116° 32' 27.8" E Altitude 206
GPS Accuracy HDP01
Map Sheet

Photograph

Name NG

Number 24

Topographic Position

Upland

Upper slope

Midslope

Lower slope
Valley
Washline

(Circle the correct response)

below granite

2. SITE DATA Circle the correct response

Slope flat gentle steep

Aspect N NE E SE S SW W NW

Surface Soil sandy clay over clay Depth to Rock 50cm Colour yellow-brown

Exposed Rock type granite % surface cover _____ size range _____

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

Bare Ground _____ % surface cover 10-30

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

AMG

456717

6443741

3. VEGETATION STRUCTURE AND COVER

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

4. VEGETATION CONDITION

Comments

Excellent

Y025

20720

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No WCP 03
Date 1-9-97

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 WCP 03		Record on		plant		flowering time- TICK if species flowering		No		FI		ID		
Date 1-9-97						identification check								
TREES		No	FI	ID	SHRUBS (cont.)		No	FI	ID	HERBS (cont.)		No	FI	ID
Euc. wandoo										Haemodorum simplex				
										Trachym pilosum				
										Hypoxis pectin				
										Thelym. benth				
										Amegozanth bicolor				
										Perichardia monantha				
										Calea micrantha				
										Artropodium capillip				
MALLEES					GRASSES									
					Neurachne alopecur									
					- Agrostis avenacea									
SHRUBS					HERBS					SEDGES				
Hakea lissocarpa					Borya / shuacarpa					Horyria : lateriflora				
Xanth. preiss					Sowerbaea laxif					Desmodad aspre				
Dawsonia microphylla					Tribonanthes longipet					Lepidosp (Hore) squamata				
Opercul. vagin					Conostyl stylid polifera					Chlorozandra erodis				
Philotus Omanakessi					Thelymit antennifera					Cynathochaeta avenac				
" declinatulus					Pterostylis barbata					Schwens bifidus 119 (vst)				
Schoenus bifidus					Stylidium bulbiferum					15/10/98				
Opercul. vaginata					Lagenif lupatellii					Stylidium calcaratum				
Gomphol margin					Centrolep arist					Angianthus manglesii				
					Drosera gigantea					Stylidium petedaris				
					Homandra cuapicola					Podolepis Sp. Lesoni				
					Hypochaeris alabra					Phyllidrella drummondii				
					Quercus umbrata					Thyanotus ? finellis				
										Hydrocotyle calicula				
										Centrolepis aristata				
										Ptylatis manglesii				
										Siloxerus humifusus / small fls				
										Watzia furcata / Hypochaeris				
										Stipa compressa				
										Valpea myuros				
										Aira caryophyllaea				
										Schoenus vauus				

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA WCP SITE NUMBER 07

Y026

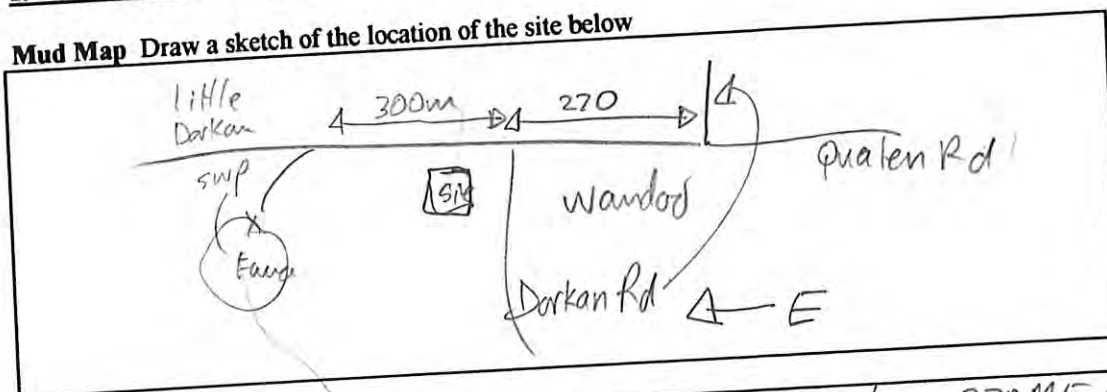
DATE TRIP 1-9-1997 RECORDERS L/M/NG

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location DARKAN ROAD — on Quaten 270ME of Darkan

Geographic Location Latitude 32 06 44.4 S Longitude 116 30 40.9 E Altitude ADD 4.8
GPS Accuracy
Map Sheet

Photograph Name NG Number 28

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

2. SITE DATA Circle the correct response

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

Surface Soil clay Depth to Rock ? Colour grey

Exposed Rock type _____ % surface cover NONE size range

Litter twigs % surface cover 10-30 Depth (cm)

Bare Ground % surface cover 30-70

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

ANG
453901
6446996

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 (%)	Rare scattered				
DOMINANT SPECIES	Cas Obesia in Area				
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10				30-70
DOMINANT SPECIES	Callist. phoenic Hakea marg				Vertic. dens
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	2-10	30-70		2-10	
DOMINANT SPECIES	Danthonia	Borya Rumex		Cyperoch. avenae	

4. VEGETATION CONDITION

Comments

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
- Column 3 flowering time- TICK if species flowering
- Column 4 identification check

[illegible]

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

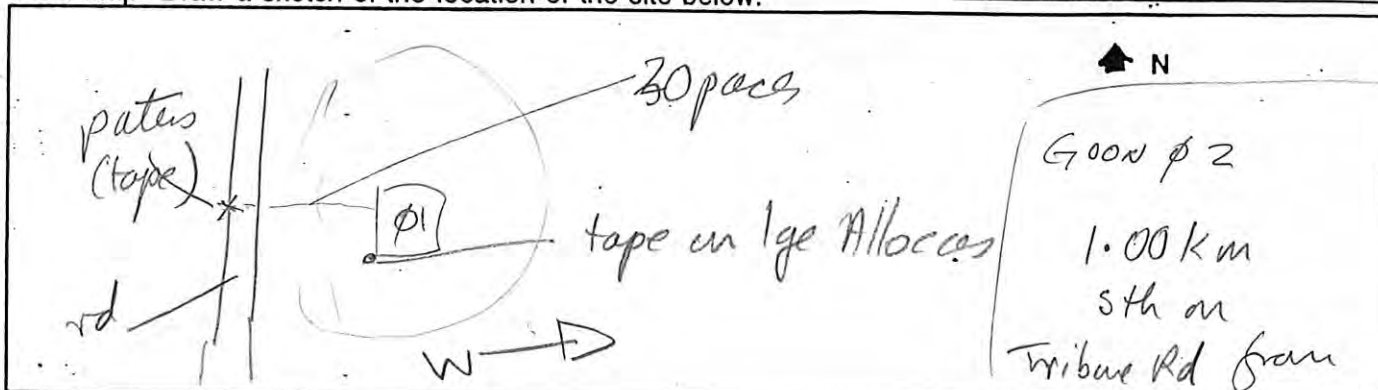
BUSHLAND AREA GOON SITE NUMBER 01 Y027
 DATE TRIP 26-10-2000 RECORDERS NG/GK/WM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

Beverley 1:100000

1. LOCATION of the QUADRAT

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

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



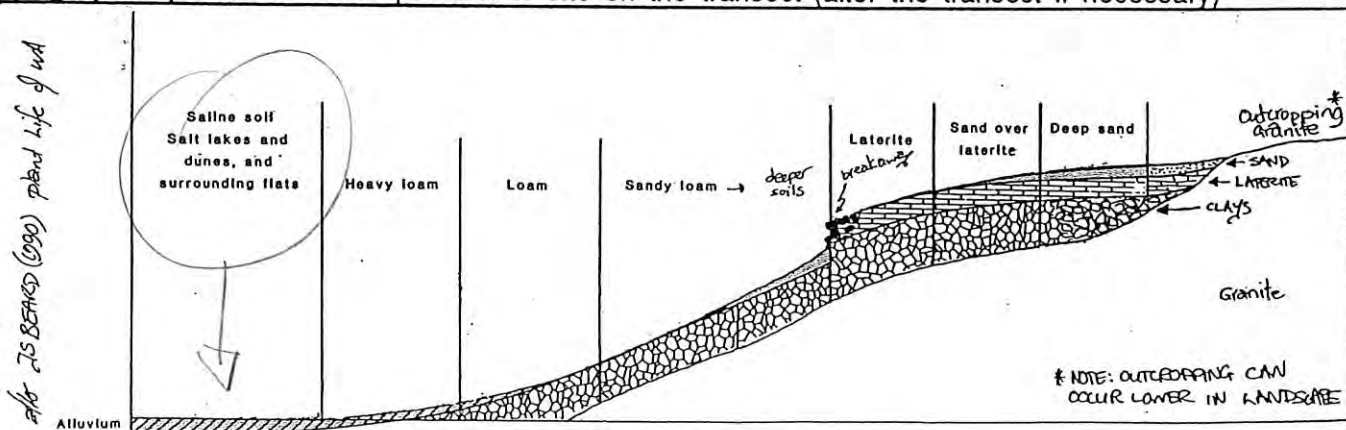
Road Location 32 08 57.09 116 35 23.3 properly boundary. PDOP 2.1

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map AMG - 461318, 6442916

Photograph Photographer's Name GK Photo No 32

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



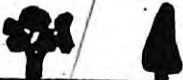
2. SITE DATA Circle the correct response.

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	S	SW	<u>W</u>	NW
Surface Soil	<u>white sand</u>								Colour			
Exposed rock	type	<u>0</u>	% surface	<u>0</u>								
Sub-surface Soil	<u>grey sand</u>								Colour			
Rock	type	<u>21m</u>	depth to rock									
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year	winter/spring				
Litter	<u>twigs</u>	% cover	<u>30/70</u>	Bare Ground	<u>10/30</u>	% cover						
	Depth	<u>2-10</u>	cm									

3. VEGETATION STRUCTURE AND COVER

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

Cover Class 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							
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)		>70					
DOMINANT SPECIES		<i>Allocas thuy</i>					
GRASSES		HERBS		SEDGES		SEDGES	
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	<2	<2			10-30		
DOMINANT SPECIES					<i>Lyginia</i>		

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

$$= 4022$$

B attenuat

[illegible]

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

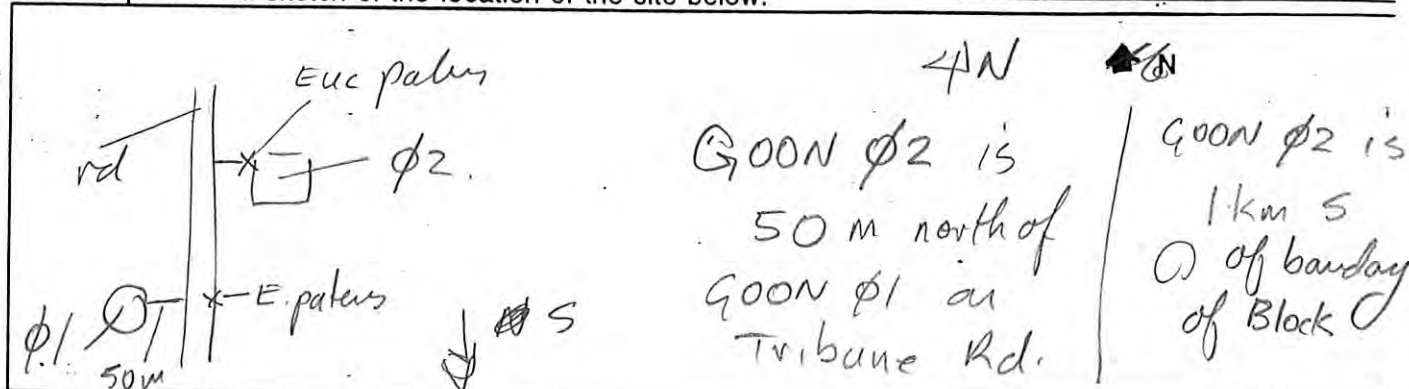
BUSHLAND AREA GOON SITE NUMBER 02 Y028
 DATE TRIP 26-10-2000 RECORDERS N9/GK/WM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

Beverley 1:100000

1. LOCATION of the QUADRAT

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

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



Road Location

TRIBUNE RD

Geographic Location Latitude 32 08 58 S Longitude 116 35 24 E Altitude 3.6

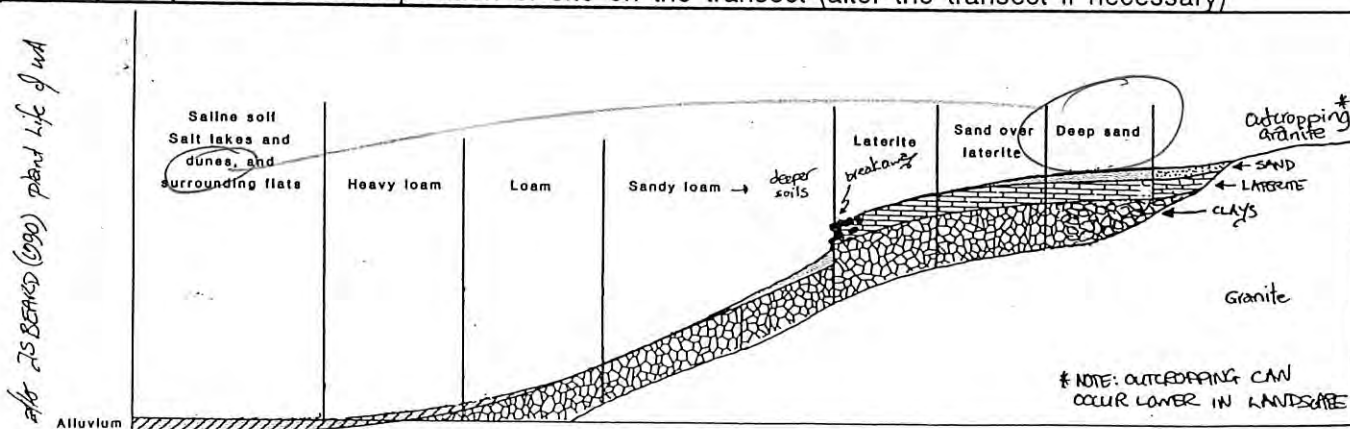
Reference Map AMG - 461336, 6442913

Photograph Photographer's Name

GK

Photo No 33

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



2. SITE DATA Circle the correct response.

top lake dune

Slope	☒ flat	☐ gentle	☐ steep	Aspect	N	NE	E	SE	S	SW	W	NW
Surface Soil	sand			Colour	grey							
Exposed rock	type			% surface	0							
Sub-surface Soil	sand			Colour	grey							
Rock	type			> 1m depth to rock								
Drainage	☒ well	☐ mod	☐ poor	depth water	cm	Wet	all year		winter/spring			
Litter	Ns, twigs			% cover	30/70			Bare Ground	10/30			% 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 (%)		2-10	10-30		
DOMINANT SPECIES		Euc. palus	Bank. alba		
SHRUBS			SHRUBS		
	over 2m	2m-1.5m	1.5-1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10/30		2-10		2-10
DOMINANT SPECIES	Alloc. thuy		Conosp. stoe		Boss. erioc
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	<2	<10/30		10-30	
DOMINANT SPECIES		Phlebot. ciliat		Loxoc. flex pubesc	

4. VEGETATION CONDITION

Comments

$$20 \times 20$$

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

$= 4028$

TREES				No	FI	ID	SHRUBS (cont.)				No	FI	ID	HERBS (cont.)				No	FI	ID
Euc. patens ✓														Thysanotus sparticus ✓						
Bank attenuata ✓																				

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

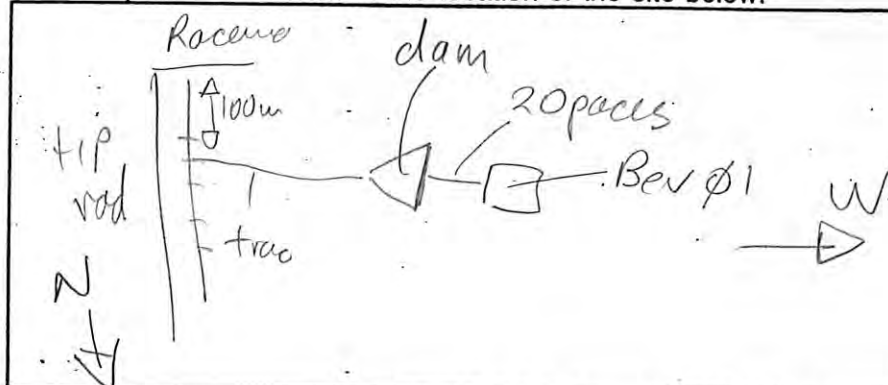
BUSHLAND AREA Beverley Reserve SITE NUMBER BEV Ø1 Y029
 DATE TRIP 22-9-2000 RECORDERS NG/GK/WM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

Beverley 1:100000

1. LOCATION of the QUADRAT

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

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



AMG-494026, 6444987 - off Grids is diff

Road Location

32 07 53

116 56 12

3.4

Geographic Location Latitude

S Longitude

E Altitude

Reference Map

50/49032

6444.996

201

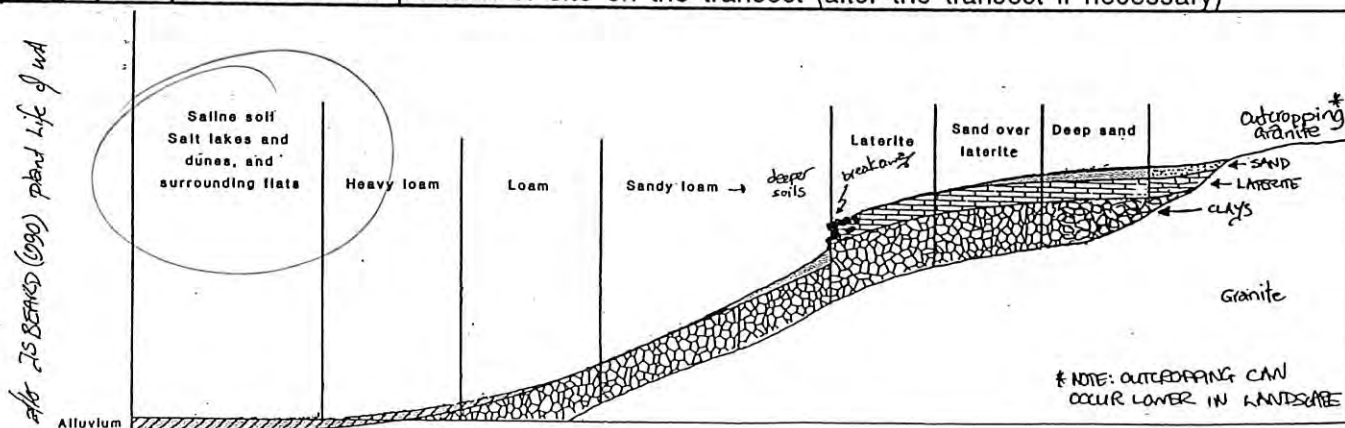
Photograph

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	<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	
Drainage	well mod <u>poor</u>	depth water	<u>10</u> cm <u>Wet</u> all year <u>winter/spring</u>
Litter	<u>twigs</u>	% cover	<u>0-10</u>
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					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM					
COVER CLASS (%)		10-30			30m 10m
DOMINANT SPECIES		Cas. obesa			
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10				2m 1m
DOMINANT SPECIES	Hakea prostrata				
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10-30	30-70			1m
DOMINANT SPECIES	Amphib. wick	Trig. lineare Crabapple natans			Eleocharis acicularis

4. VEGETATION CONDITION

Comments

very good

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

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]

455 Harding granulation ✓

Mackie Creek Reserve, south of Rickies Rd

YORK CELL

↑ 26897

Rickies Road

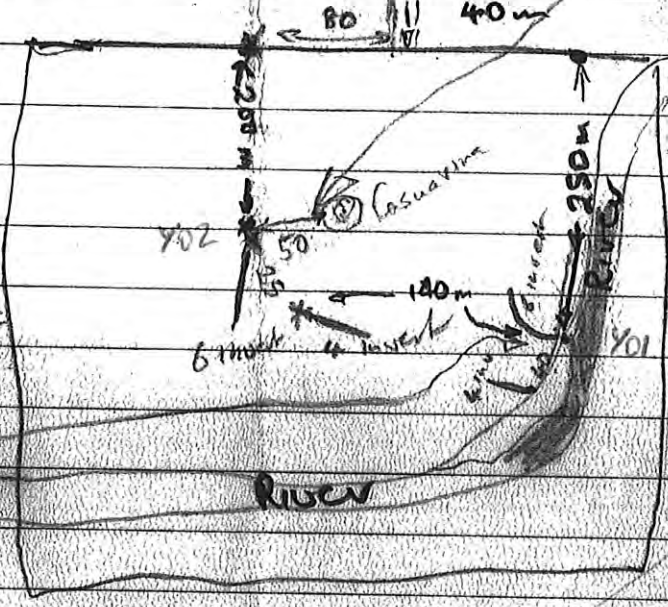


(12)

York Surface

Sediment
York
Jam
the Dam

on quaternary
31° 54' 33.8" S
117° 01' 19.2" E
± 60m
VV



Surf paddock
Avon
Creek Bank

York Gum
31° 59' 32.9" S
117° 01' 28.1" E
± 60m
VV

(13)

Get permission
to cross paddock
to north!

MACHIE 02

Y002

MACHIE 01

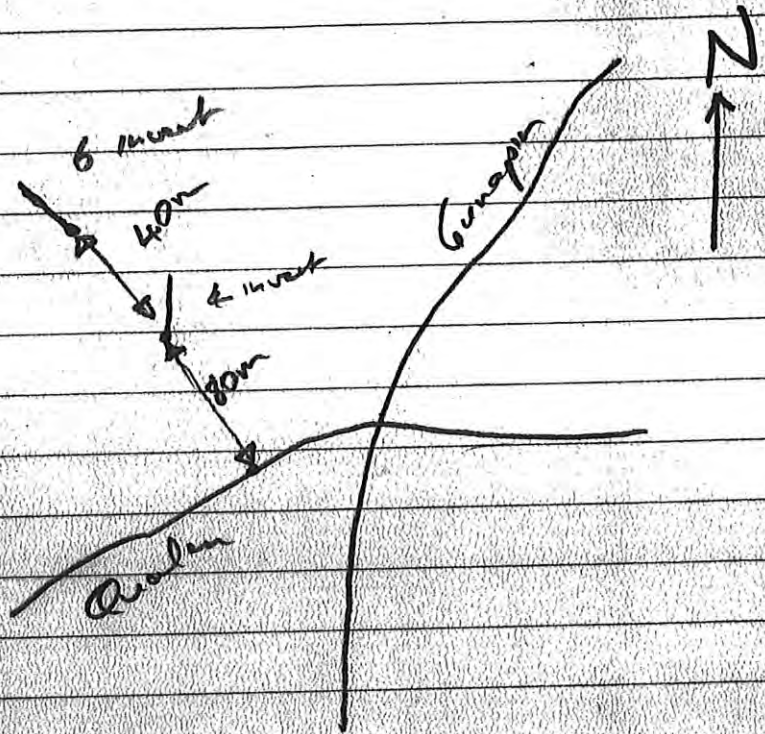
Y001

AMG - 502312
6460386

SURVEY AREA 1

MO 1.0 km E along Qualen Rd from
Wandoo flat intersection with Gunapin Rd

32° 05' 43.3" S
116° 34' 05.4" E
± 70 m

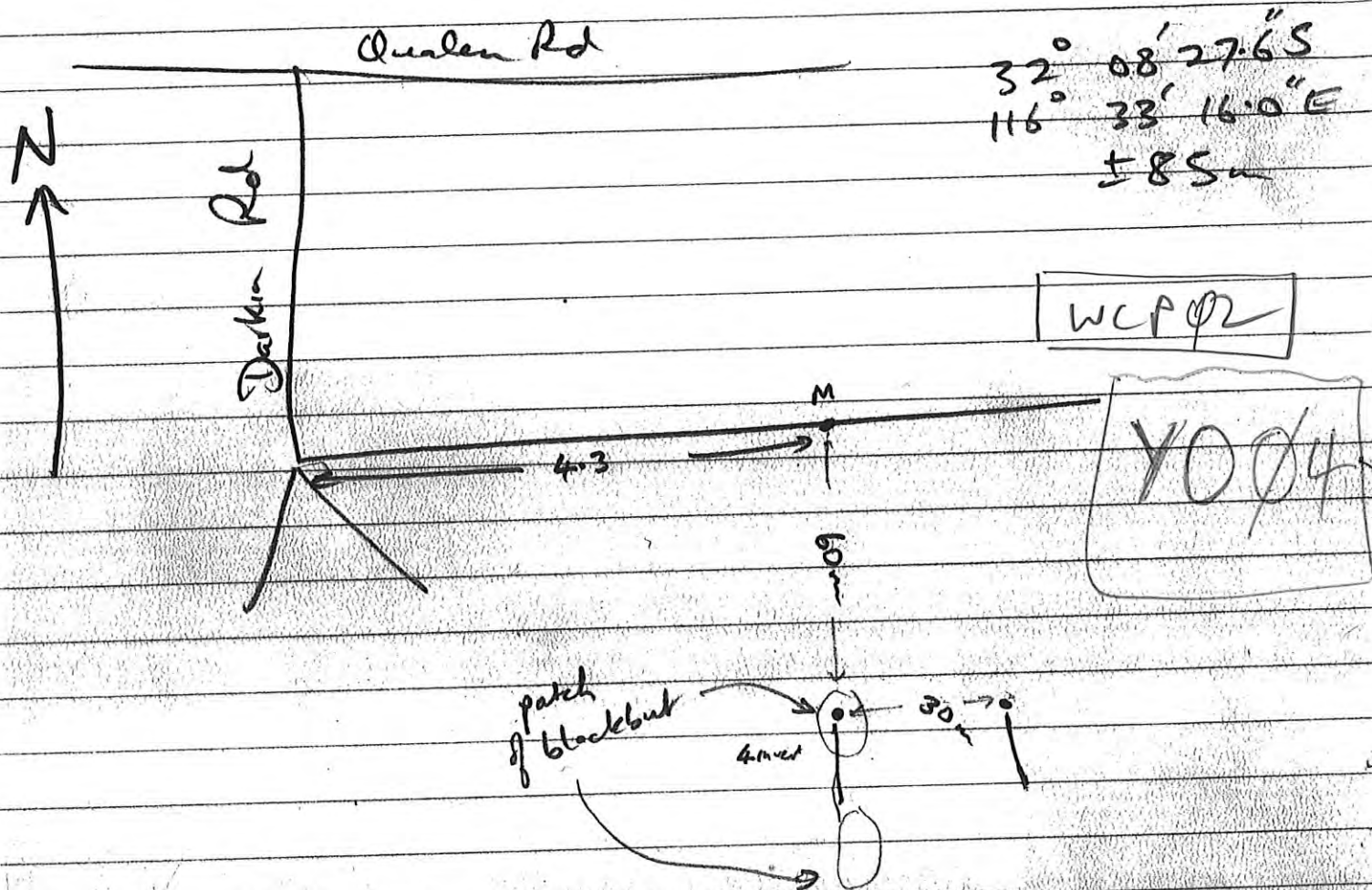


WCP 06

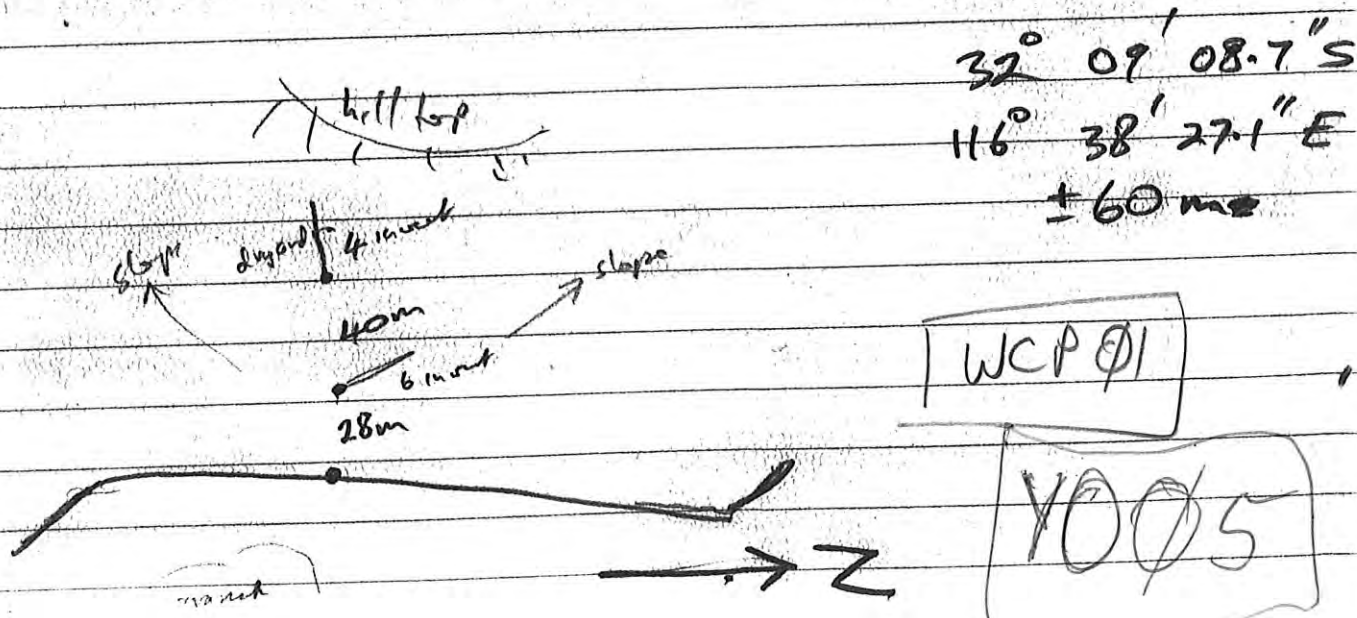
Y003

~~Y surface~~
~~Saddle~~ ~~South~~ ~~Rickies Rd~~
~~Mackies River~~

Monkopen (Lower) Sandplain



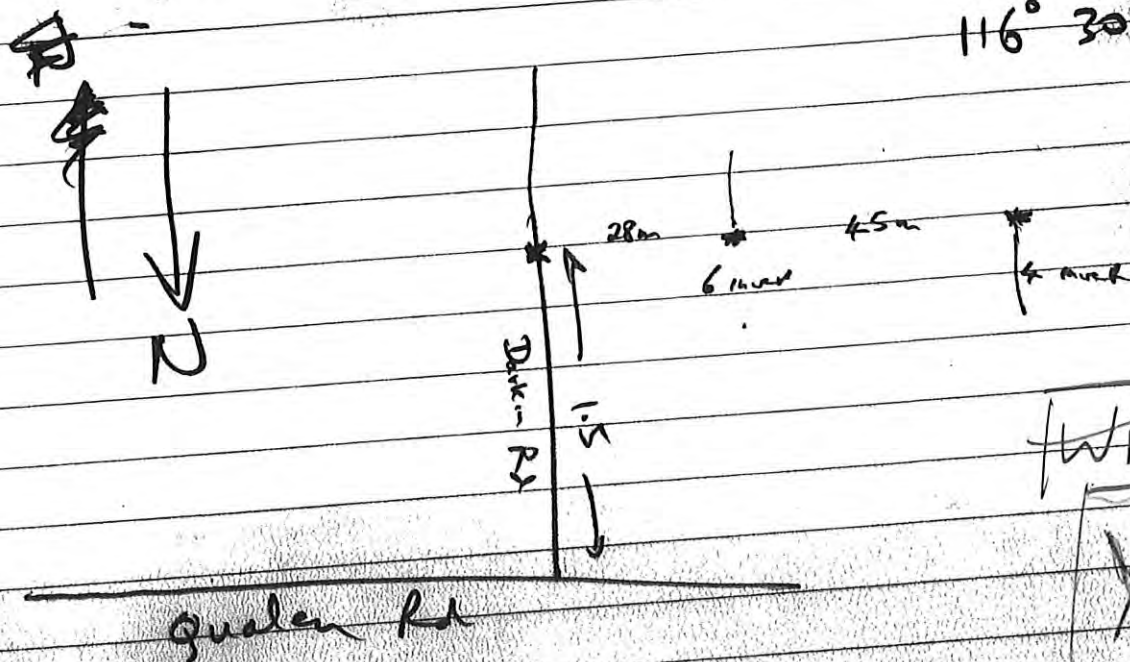
Bg upper on Catchment Rd, 2.8 km ^{SE} of Region Rd T.O.



Darkin Rd 1.5 km S of Qualen Rd

Kauring Sandplain

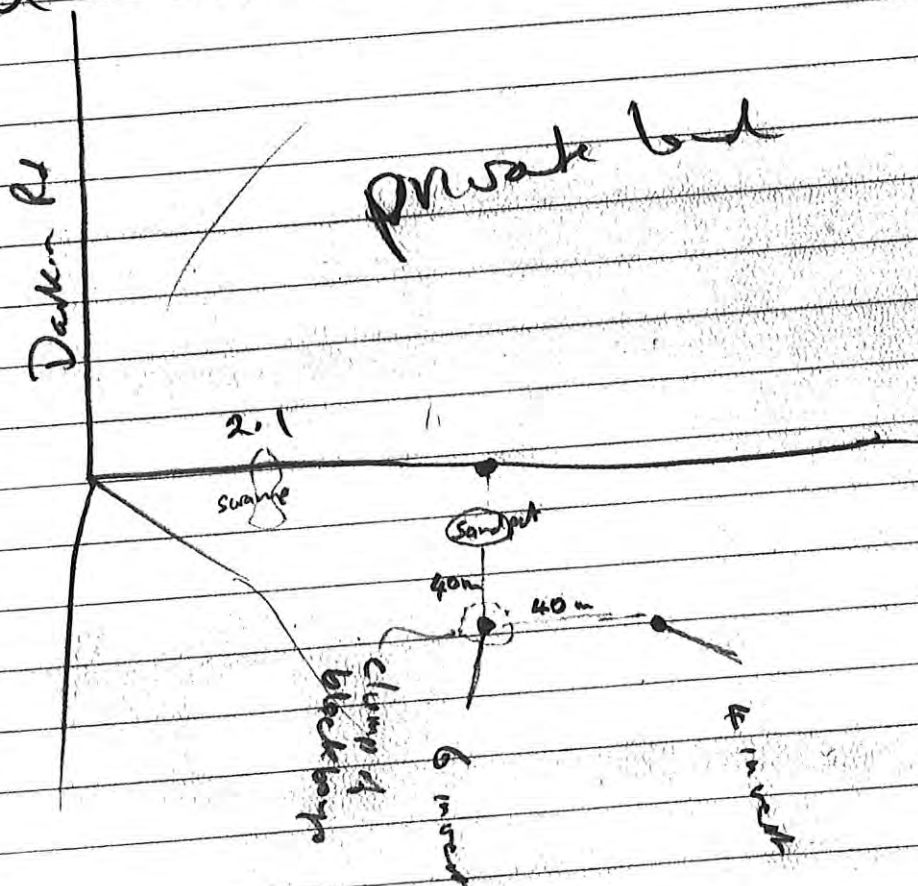
$32^{\circ} 07' 40.1'' S$
 $116^{\circ} 30' 18.9'' E$
 $\pm 90m$



WPC05

Y006

Old South edge of Private Land 2.1 km ^E from SW corner.



$32^{\circ} 08' 25.8'' S$
 $116^{\circ} 31' 45.1'' E$
 $\pm 70m$

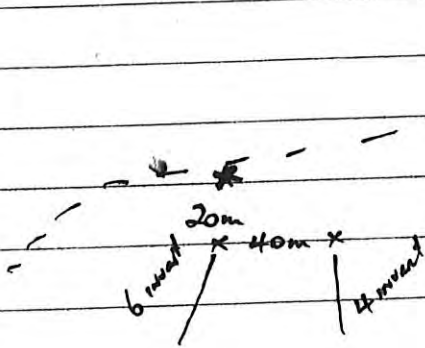
WCP04

Y007

5.3 km SW Talbot Rd junction.

WARRAGIL Rd. Qe

32 02 40.1 ± 60m
116 33 56.4



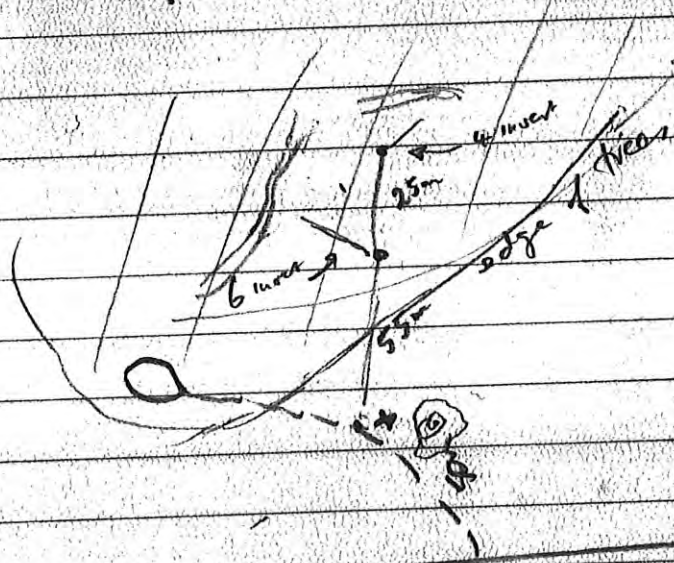
↑
N

WPC09

Y008

Darker Swamp — S

32° 06' 45.3" S
116° 30' 46.2" E
± 80 m
HDOP 2.3



WPC06

Y009

road

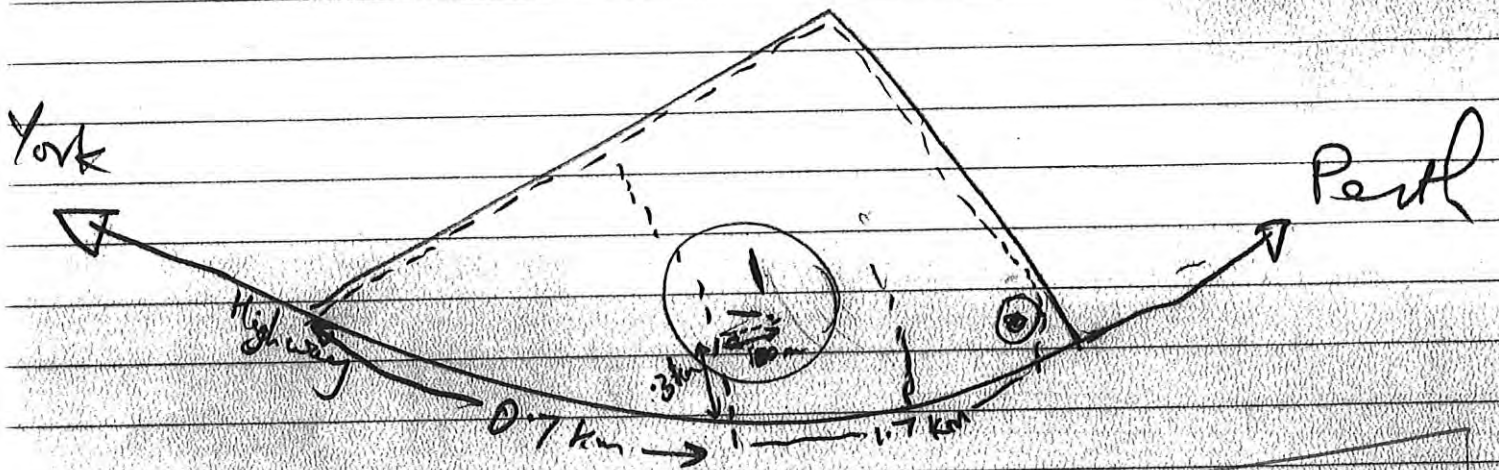
Wamblyn NR

14 km W of York

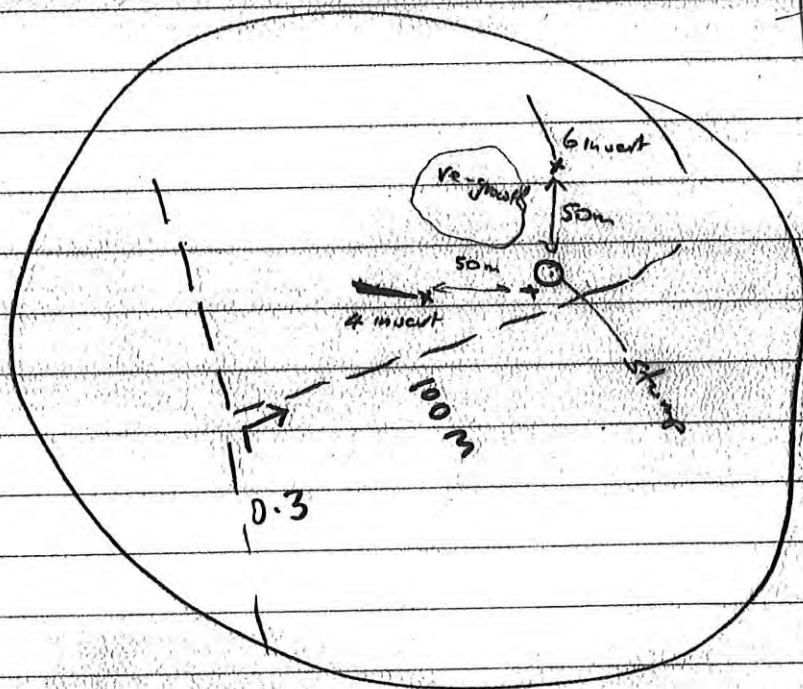
unit = B

Euc accedens / E wandoo / box pine

$31^{\circ} 54' 01.8'' S$
 $116^{\circ} 38' 22.4'' E \quad \pm 85 m$



WAMBLYN



YOIO

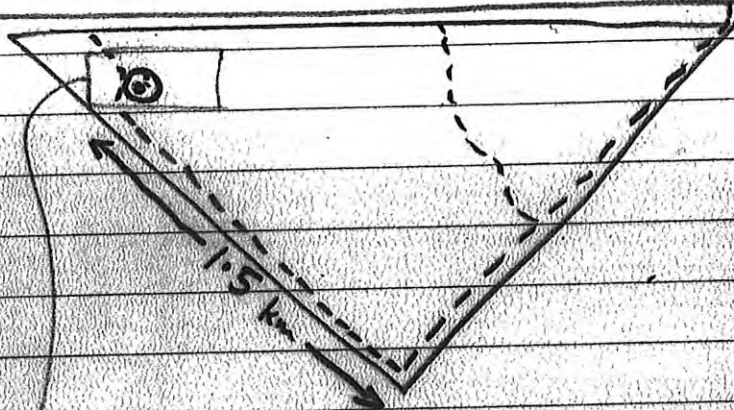
Site 1

Wombyn NR on highway 14 k W of York



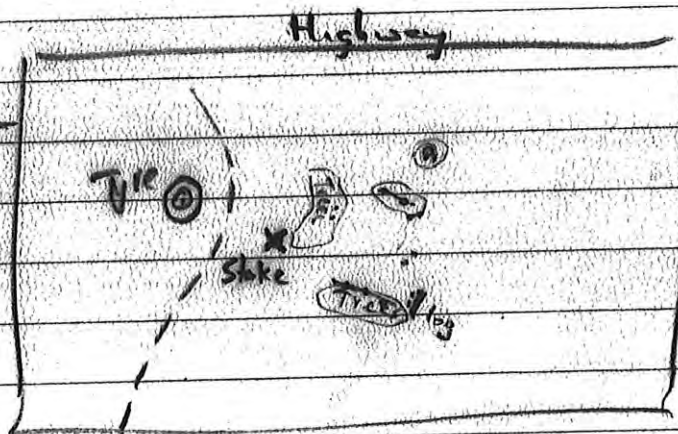
31 53 45.9
116 37 24.9

MO
Salted Wando
grass, weeds
leaf litter



~~WANDO~~

Y011



16 W of York, ~~then~~ turn north.
5x Romans Nature Reserve

31 52 29.6

116 36 09.7

Granite
apron

York

31 53 01.25

116 35 19.7

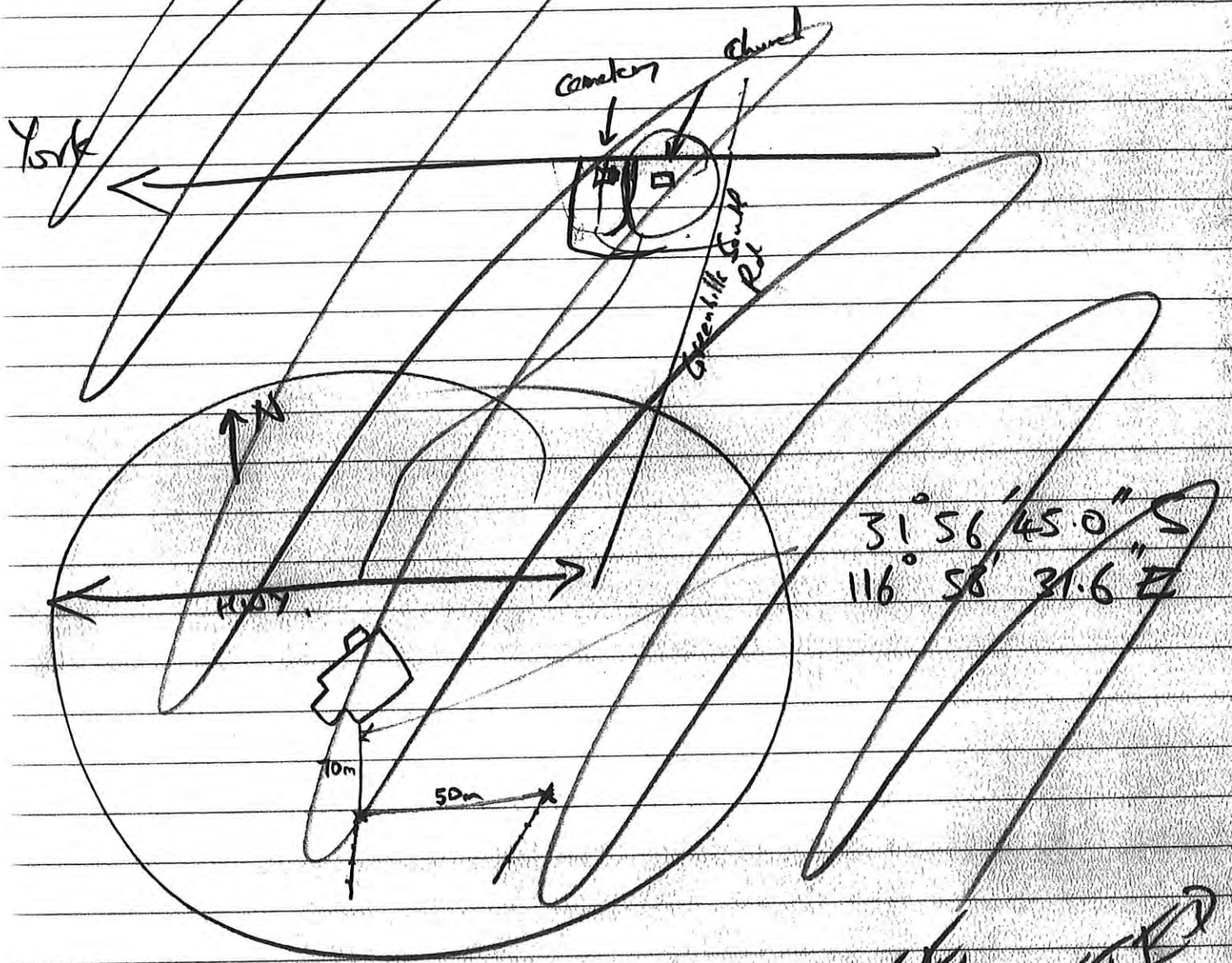
chase
seals
+ shore
etc

6 munt

chase
good
bitter
near
rocks

(²⁷~~20-22~~ km E of York)

Green hills Church, (see shrove)



SITE
 DELETED
 ? Botnets

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

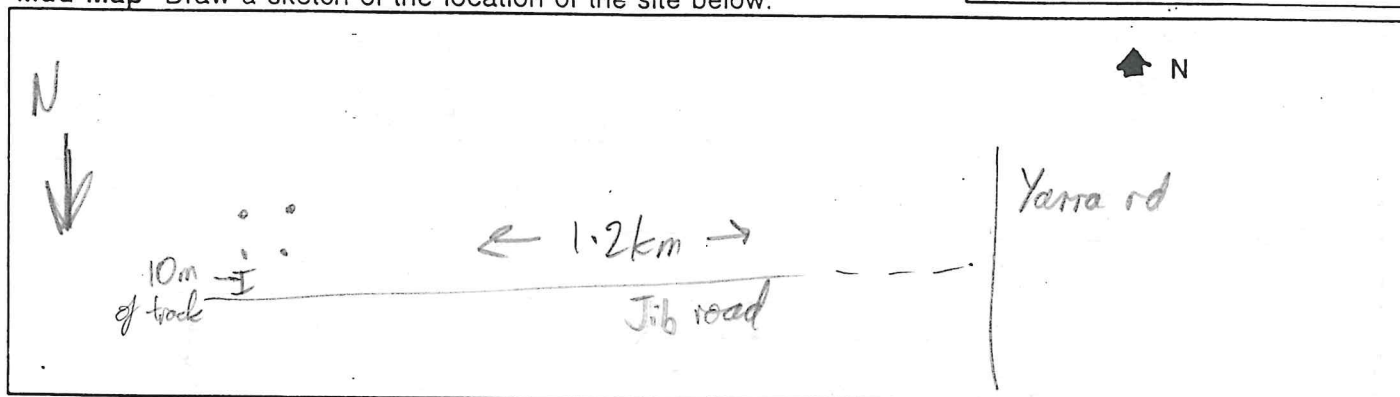
Y030

BUSHLAND AREA Wandoo Cons Park SITE NUMBER Eco 01
 DATE TRIP 18/1/00 RECORDERS AW/FQ
 DATE TRIP 28-9-00 RECORDERS AW/NG/WM/GK
 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.

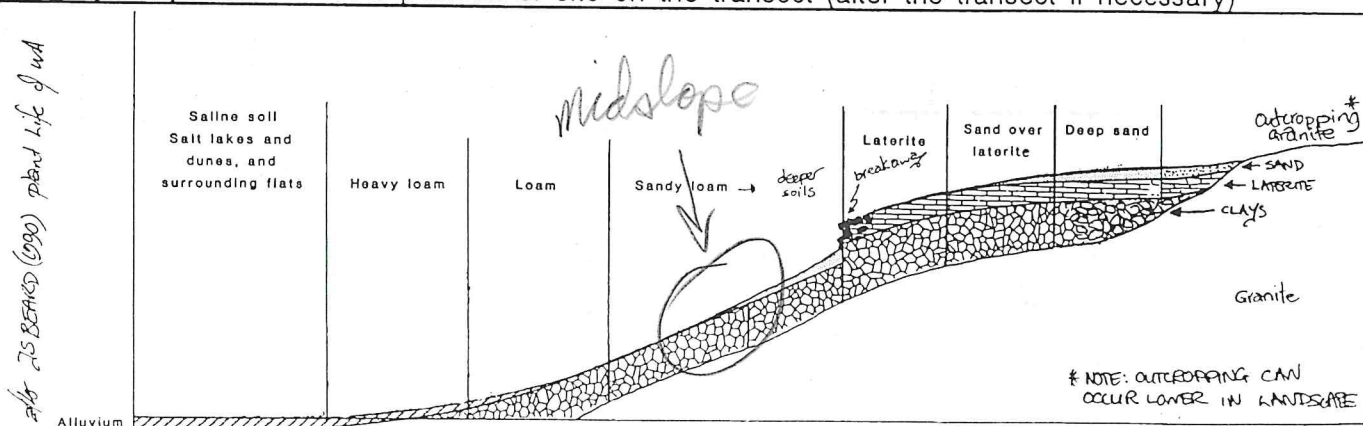


Road Location Jib road - 1.2km E of Yarra rd jnc

Geographic Location Latitude 31°58'37.0" S Longitude 116°26'06.5" E Altitude 383m
 Reference Map 20

Photograph Photographer's Name NG Photo No 27

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 gravelly sandy loam Colour Brown
 Exposed rock type laterite gravel % surface

Sub-surface Soil clay loam Colour
 Rock type laterite gravel depth to rock

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

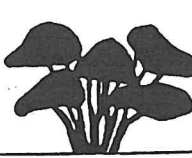
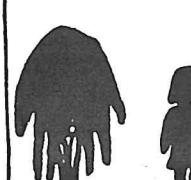
Litter Depth 1-2 % cover 90 Bare Ground 10 % cover

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					
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 (%)			10-30	30-70	
DOMINANT SPECIES			Xanthorrhoea preissii	Hakea lissocarpa	
				Gastrolabium	
				Synaphea	
GRASSES		HERBS	SEDGES	under 0.5m	
	over 0.5m				
LIFE FORM					
COVER CLASS (%)			2-10		
DOMINANT SPECIES			Lepidosperma		
			Lepidosperma / Gahnia		

4. VEGETATION CONDITION

Comments

SITE No 150 01

Date 18/1/00

Record on Sheet

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

[illegible]

۲۲

Cassie

13-Sep-99

Y030

18/1/00

28-9-00

collected soil

Site	Taxon Name
01	Caesia micrantha <i>altavodii</i>
01	Dampiera <i>alata</i>
01	Dryandra serratuloides <i>lindleyana sylvestris</i>
01	Eucalyptus <i>wandoo</i>
01	Gastrolobium <i>villosum</i>
01	Gonocarpus <i>bentharii</i>
01	Hakea <i>lissocarpa</i>
01	Harperia lateriflora
01	Hemigenia platyphylla <i>incana</i>
01	Hibbertia montana <i>comutata</i>
01	Lichenaultia biloba
01	Lepidosperma leptophyllum <i>lepid. tenuis</i>
01	Ricinocarpos glaucus <i>leptostachyum</i>
01	Stipa semibarbata
01	Stylidium calcaratum
01	Xanthorrhoea preissii <i>Lepidosperma pubisquena</i>

Lepidosperma scalorum (VSR)

Lepidosperma pubisquena (VSR)

Caladenia longicauda
Synaphea decorticans (VSR)
Neracme alopec
Dampiera lavandulac
Lagenifera huegelii
Conostylis ~~*fusilla*~~ *villosus* (VSR)
Schoenus nanus
Hevenhookia pusilla
Hibbertia hyperic
Drosera macrantha
Stylidium brunon brunon
Trichocline spathul
Xanthosia candida
Astroloma compact

Paterosonia rudis
Tetratheca ~~*zaphylla*~~ *nuda*
Thysanotus pateronii
Gomph preissii
Homandra calspitosa
Chaemas corymb latif
Hydrocotyle calliarp
Trachymene pilosa
Hypochaeris glabra
Tetraria octandra
Tricaryne elatic
Phrochaeta pannic
Oprecularia vagin
Daucus glochid
Millotia tenuiflor
Soodenic pulchella ssp. *Wheatlelt* 28/9/00

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

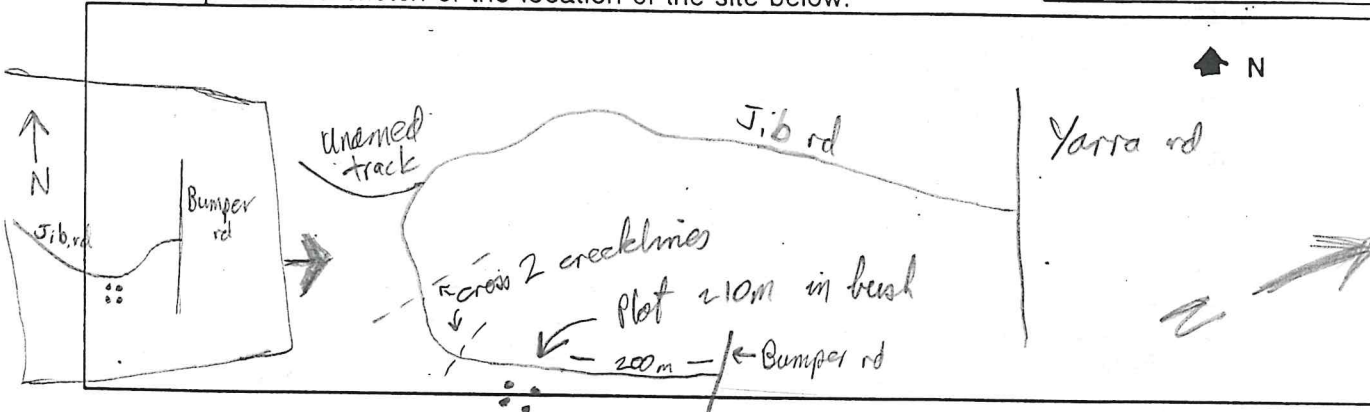
Y031

BUSHLAND AREA Wandoo Cons Park SITE NUMBER Eco 02
 DATE TRIP 18/1/99 RECORDERS AW/FQ
 DATE TRIP 27-9-00 RECORDERS AW/WM/GK/NG
 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.

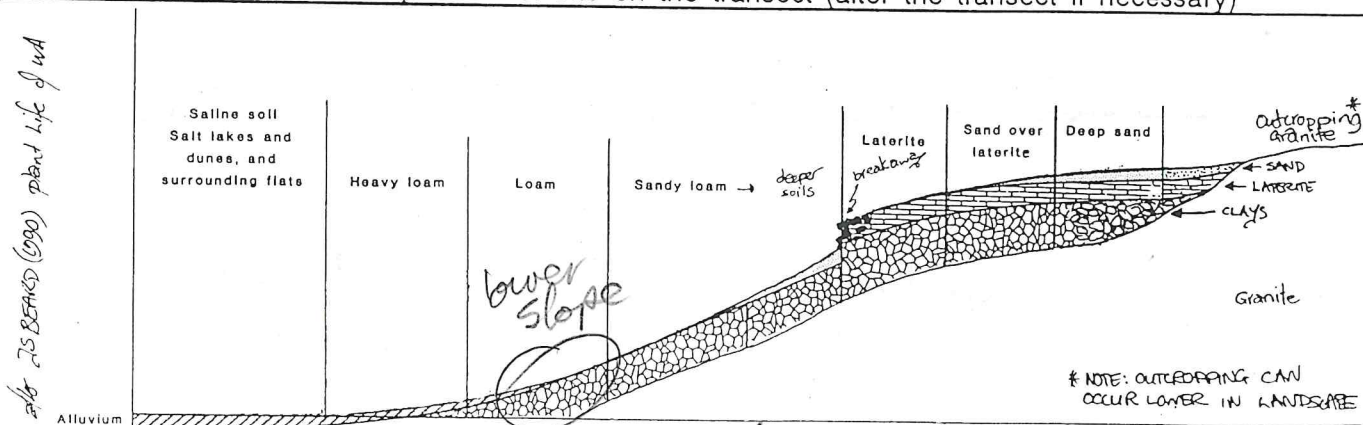


Road Location 4.1 km Easterly along Jib rd from Yarra rd.

Geographic Location Latitude 31°59'27.8" S Longitude 116°27'24.5" E Altitude 383
 Reference Map 20

Photograph Photographer's Name GK12 Photo No _____

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



partly undisturbed - logged ages ago

2. SITE DATA Circle the correct response.

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

Surface Soil grey loamy sand Colour _____
 Exposed rock type very old decomposing granite % surface 10%
 size _____

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

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

Litter Depth 90 % cover _____
 Bare Ground 10 % cover _____
 Depth 1-2 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.

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	10-30				
DOMINANT SPECIES	<i>Euc wandoo</i>				
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					30-70
DOMINANT SPECIES					<i>Pultenaea/Nemica</i>
					<i>Banksia ericarpa</i>
					<i>Hakea laevis</i>
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM					
COVER CLASS (%)			10-30		
DOMINANT SPECIES			<i>Lepidosperma</i>		
			<i>Diarrhiza revoluta</i>		

4. VEGETATION CONDITION

Comments

13-Sep-99

27/9/00
18/1/00

Y031

collected soil

Site	Taxon Name	
02	Acacia drummondii	
02	Bessiaea eriocarpa	
02	Caladenia filifera	
02	Caladenia longicauda	
02	Craspedia variabilis	
02	Dampiera alata	
02	Eucalyptus wandoo	
02	Hakea lissocarpa	
02	Hibbertia montana	comutata
02	Lagenifera huegelii	
02	Lepidosperma tenue	leptostylum
02	Loxocarya flexuosa	Desmocl
02	Mesomelaena tetragona	aspr
02	Nemcia hookeri	
02	Nemcia tricuspidata	
02	Podolepis lessonii	
02	Pultenaea ericifolia	
02	Stipa semibarbata	
02	Stipa sp.1	
02	Stylidium calcaratum	
02	Xanthorrhoea preissii	
02	Xanthosia candida	

pterostylis recurva
Aira caryophyll
Anagallis arv
Lom effusa
Neerachne alopec
Rutidosia multiflora
Bilbordiera laxiflora

gastrol

Dianella revoluta
Macraegma riedl
Arthrop. capillipes
Drosera stolonifera
Aelichrys leucop
Daucus glochid
Oxalis prenn
Stackh monogyn
Hypochaeris glab
Blennos drumm
Drosera glandulig
Hydrocotyle callicarpa
Sarcocarpus pithus

Astroloma ciliatum
Lomandra micrantha
Millotia tenuiflora tenuiflora
Romul rosea
Neerachne alopec
Wombea monantha
Trachym pilosa
Grevillea tenuiflora
Trichodine spathul
Hypoxis occid
Thys. pat
cosia alf
stylid hirsut

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

[illegible]

Page 1 of 1

Record on Sheet

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

[illegible]

~~possibly lagged acacias young one (5/7/00) No not even on Acacia (110) in stat~~

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

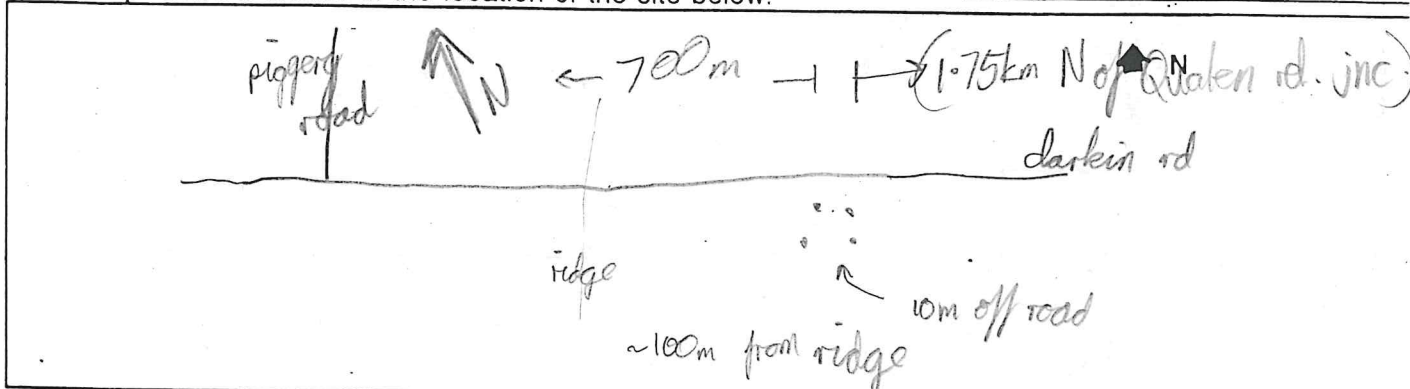
Y032

BUSHLAND AREA Wandoo Cons Park SITE NUMBER Eco 12
 DATE TRIP 18/1/00 RECORDERS AW/FQ
 DATE TRIP 28-9-00 RECORDERS AW/WM/NG/GK
 DATE TRIP 2 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.

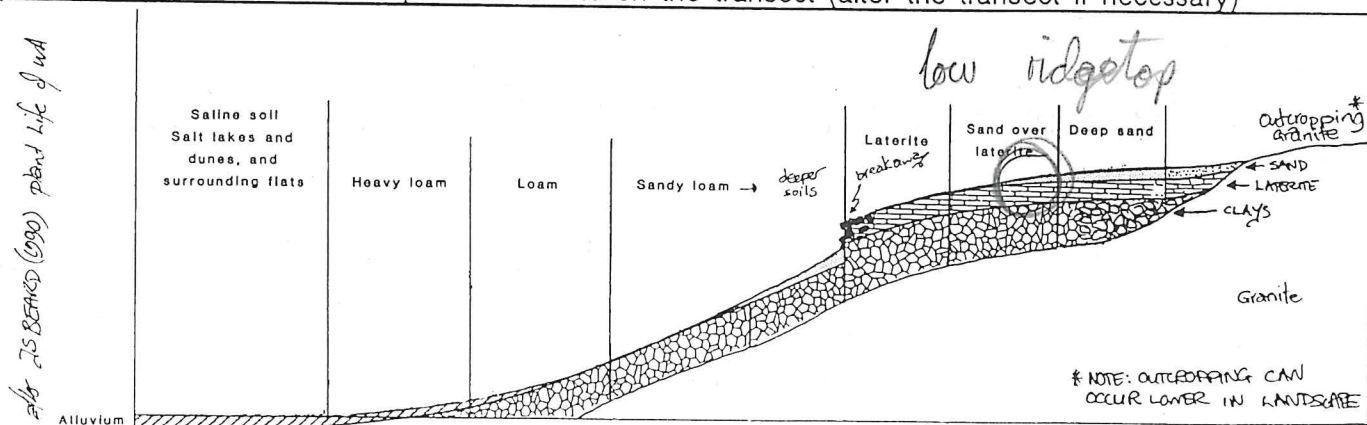


Road Location 700m SE of Piggery road junction along darkin rd

Geographic Location Latitude 32° 06' 02.4" S Longitude 116° 29' 52.0" E Altitude 383
 Reference Map 20

Photograph Photographer's Name NG Photo No 33

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



undisturbed

2. SITE DATA Circle the correct response.

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	<u>SE</u>	S	SW	W	NW
Surface Soil	<u>gravelly loamy sand</u>								Colour	<u>brown</u>		
Exposed rock	<u>type laterite gravel</u>								% surface			
Sub-surface Soil									Colour			
Rock	<u>type</u>								depth to rock			
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year	winter/spring				
Litter	<u>60</u>		% cover			Bare Ground	<u>20</u>		% cover			
	Depth	<u>1-2</u>	cm									

3. VEGETATION STRUCTURE AND COVER

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

Cover Class	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	AUT	Euc wandoo - seedlings		
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			30-70		
DOMINANT SPECIES			Allocasuarina Dryandra ornata Xanthorrhoea		
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

very good

Y032

18/1/00

13-Sep-99

collected soil

Site Taxon Name

- 12 ~~X~~Acacia sp. 1 ~~preissiana~~ ~~Baria~~
 12 ~~X~~Allocasuarina humilis
 12 ~~X~~Caesia parviflora
 12 ~~X~~Conostylis sp. 1 ~~melanopogon~~ *Carinaria*
 12 ~~X~~Dampiera linearis *ssp Carinaria* *(USP)*
 12 ~~X~~Dryandra armata
 12 ~~X~~Eucalyptus wandoo
 12 ~~X~~Hibbertia ~~crassifolia~~ hypericoid
 12 ~~X~~Jacksonia restioides
 12 ~~X~~Laxmannia grandiflora
 12 ~~X~~Lechenaultia biloba
 12 ~~X~~Lomandra ~~preissii~~ *purpurea*
 12 ~~X~~Loxocarya fasciculata
 12 ~~X~~Macrozamia riedlei
 12 ~~X~~Patersonia ~~pygmaea~~ *juncea*
 12 ~~X~~Petrophile striata
 12 ~~X~~Sphaerolobium medium
 12 ~~X~~Stylidium brunonianum
 12 ~~X~~Stylidium pubigerum *hippidum*
 12 ~~X~~Stylidium sp. 3
 12 ~~X~~Stylidium sp. 4
 12 ~~X~~Tetraria octandra
 12 Xanthorrhoea preissii

- Hom. spartea
 Dav. decurrens
 Haemod discolor
 Dillwynia (~~slim~~ SPA)
 Lepidosperma *leptost*
 Agrostoev stypand

- Grevillea synaphea*
~~X~~ *Dianella revoluta*
Hakea lissocarpa
Hypocalym angulast
Stylidium calcaratum
Drosera rostrulata
Acacia applanata
Nurachne alopec
Daviesia ~~? *decurrens*~~ *preissii*
Tricoryne elatior *humilis*
Lomandra hermaph
Oxax bentham
Platysace trees

- Synaphaea decorticans* *(USP)*
Drosera macrantha
Dampiera alata
Gonocarp cordig
Hibbertia huegelii
Xanthosia huegelii
Mesomel tetagora
Astroloma pallidum
Xanthosia candida
Lepidosp tenue *polibisquand*
Gomph margin
Hibbertia ? polyst
Chaemascilla argyula
Thys. ~~thys~~ tenellus *(USP)*

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 Eco 12

Record on Sheet

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

Date 18/1/00

[illegible]

X032

RUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No	Eco 12
Date	18/1/00

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

[illegible]

7930

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

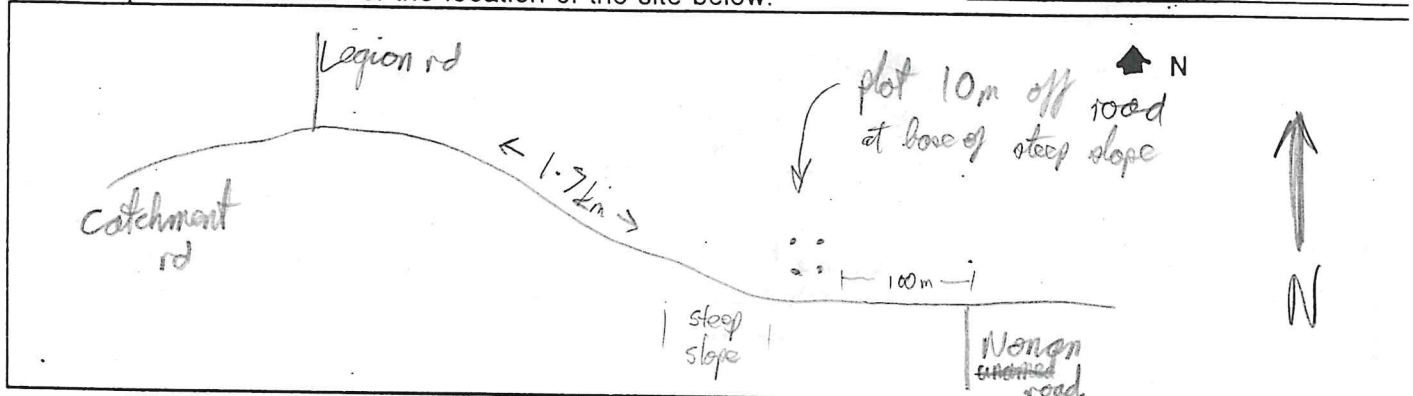
Y033

BUSHLAND AREA Wandoo Cons park SITE NUMBER Eco 18
 DATE TRIP 19/1/00 RECORDERS AW/FQ
 DATE TRIP 28-9-00 RECORDERS AW/WM/NQ/GK
 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.

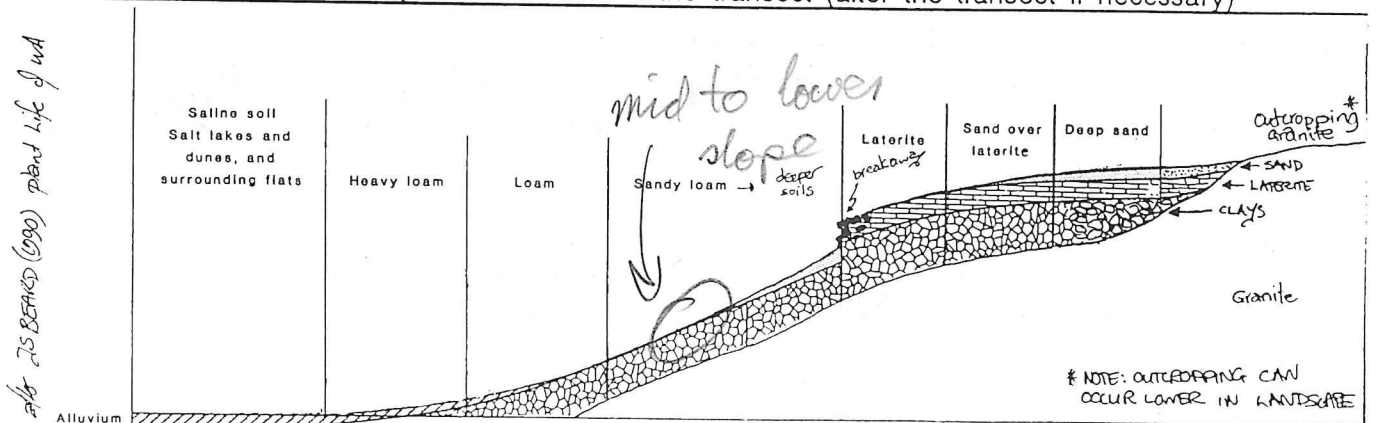


Road Location Catchment road

Geographic Location Latitude 32°10'57.7" S Longitude 116°34'04.4 E Altitude 383
 Reference Map 20

Photograph Photographer's Name NQ Photo No 31

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



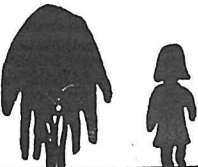
2. SITE DATA Circle the correct response.

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	<u>SE</u>	S	SW	W	NW
Surface Soil	<u>sandy loam</u>							Colour	<u>Brown</u>			
Exposed rock	type <u>(small amount of gravel in soil)</u>							% surface				
Sub-surface Soil								Colour				
Rock	type _____							depth to rock				
Drainage	well	mod	poor	depth water	cm	Wet	all year	winter/spring				
Litter	80-90		% cover	Bare Ground		0		% cover				
Depth	2-4		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) and dominant species					
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 (%)	-A05-	2-10			
DOMINANT SPECIES	<i>Euc wandoo</i> <i>Euc calophylla</i>	<i>Euc. calophylla</i> <i>Euc wandoo</i>			
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				>70%	
DOMINANT SPECIES				<i>Hibbertia</i> <i>Macrozamia seidl</i> <i>Acacia pulchella</i> <i>Hakea lasiocarpa</i> <i>Banksia ericarpa</i>	
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					10-30
DOMINANT SPECIES					<i>Lepidosperma</i> <i>Desmodium</i>

4. VEGETATION CONDITION

Comments

good undisturbed

Missing one peg
- replaced it -

Y033

13-Sep-99

19/1/00

28/9/00

collected soil

Site	Taxon Name	
18	Acacia pulchella	Kennedia coccinea
18	Bossiaea eriocarpa	
18	Caesia parviflora <i>micrantha</i>	
18	Conostylis sp. 2 ?pusilla <i>setigera</i> (vsp)	Nerachne alopec
18	Craspedia variabilis	
18	Cryptandra arbutiflora (vsp)	homan caespit
18	Dampiera alata	stipa eleg
18	Dichopogon capillipes	
18	Dryandra nivea <i>indleyana</i>	Acacia applanata
18	Eucalyptus calophylla	Tetragia oct
18	Eucalyptus wandoo	
18	Hakea lissocarpa	
18	Hibbertia hypericoides	
18	Lagenifera huegelii	
18	Lechenaultia biloba	
18	Lepidosperma tenue <i>leptostachyum</i> (vsp)	
18	Loxocarya flexuosa <i>Desmocl asper</i>	
18	Macrozamia riedlei	
18	Patersonia pygmaea	
18	Phyllanthus calycinus	
18	Stackhousia monogyna	
18	Stylidium ciliatum <i>hirsutum</i>	
18	Stylidium (rigidifolium = ?brunon)	
18	Tetratheca similis	
18	Thysanotus tenellus	
18	Trichocline spathulata	
18	Xanthorrhoea preissii	

~~Hibbet~~ *comutata*
~~Gomph.~~ *margin*
~~Thysanot~~ *patersonii*
~~Xanthosia~~ *huegelii*
~~Drosera~~ *macrantha*
~~Tricaryne~~ *elatiar*
~~Hypochaeris~~ *glabra*
~~Trachym~~ *pilosa*
~~Millotia~~ *teniflora*
~~Chaemascilla~~ *corymb latif*
~~Desmocl~~ *fasicul*
~~Billardiera~~
~~Astroloma~~ *pallidum*

~~Microlaena~~ *stip*
~~Aira~~ *coryophyll*
~~Laxmannia~~ *squarrosa*
~~Orthrosanthus~~ *laxus*
~~Hydrocotyle~~ *callicarpa*
~~Drosera~~ *stolonifera*
~~Dryandra~~ *bipinnatif*
~~Briza~~ *minor*
~~Phyllang~~ *paradox (young)*
~~Opercul~~ *vagin*

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]

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

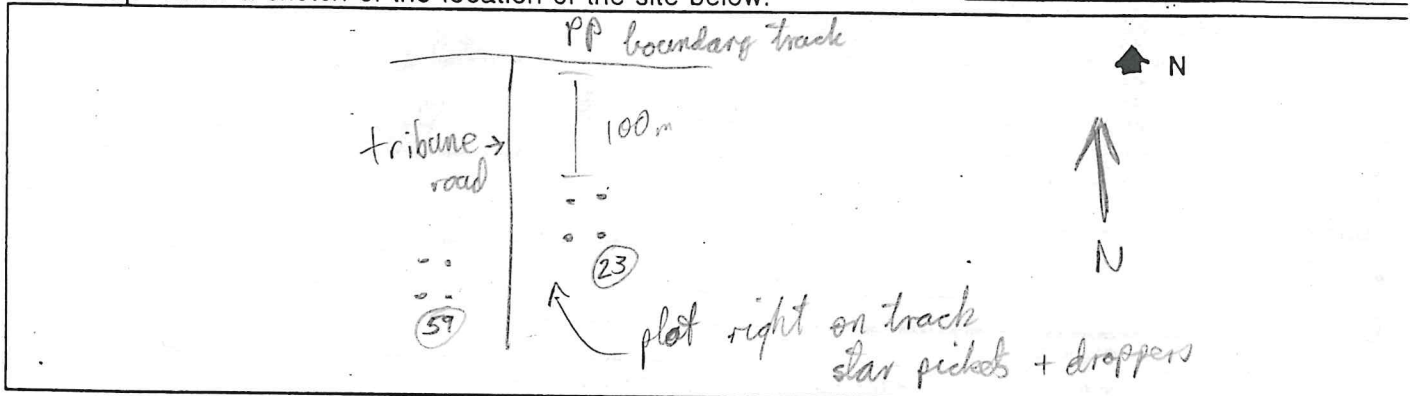
Y034

BUSHLAND AREA Wandoo Cons Park SITE NUMBER 23
 DATE TRIP 19/1/00 RECORDERS AW/FQ
 DATE TRIP 28/9/00 RECORDERS AW/NG/wm/GK
 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.

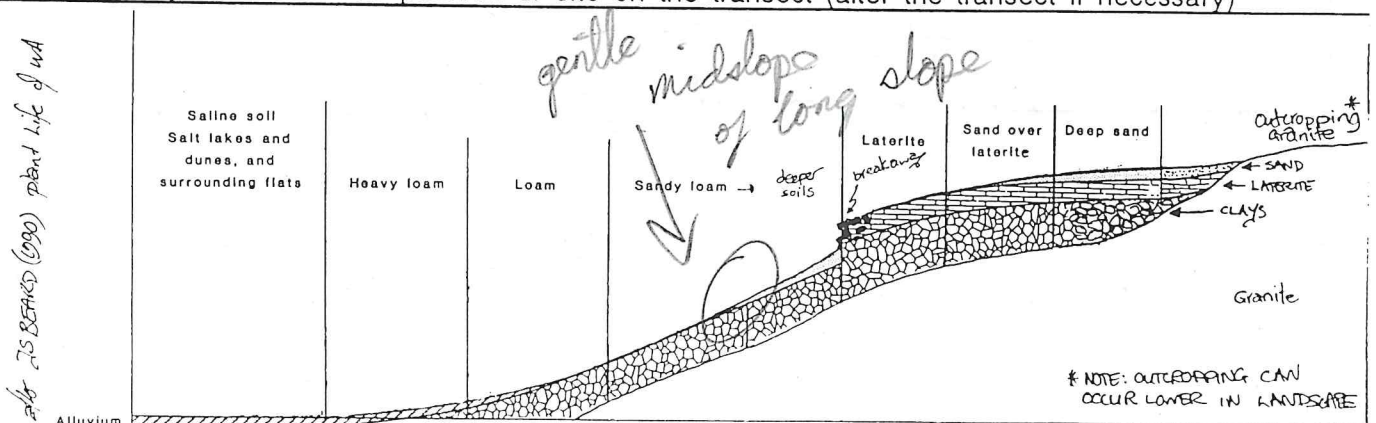


Road Location 100m S of PP boundary track on E side of Tribune road.

Geographic Location Latitude 32° 08' 30" S Longitude 116° 35' 32.6" E Altitude _____
 Reference Map _____

Photograph Photographer's Name NG Photo No 28

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 grey
 Exposed rock type _____ % surface _____

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

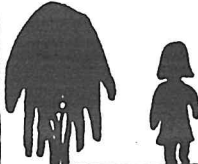
Drainage well mod poor depth water cm Wet all year winter/spring

Litter 60-70 % cover _____
 Depth 2-3 cm _____
 Bare Ground 10 % cover _____

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

3. VEGETATION STRUCTURE AND COVER

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

Cover Class					
	2-10%	10-30%	30-70%	over 70%	
TREES					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM					
					30m
					10m
COVER CLASS (%)	A0J		2-10		
DOMINANT SPECIES	<i>Euc wandoo</i> <i>Euc calophylla</i>		<i>Euc calophylla</i> - seedling		
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
					2m
					1m
COVER CLASS (%)	10-30	10-30			30-70
DOMINANT SPECIES	<i>Allocasuarina</i>	<i>Macrogomera scilla</i>			<i>Pitcairnia</i> <i>Oryndra</i>
GRASSES					
				over 0.5m	under 0.5m
LIFE FORM					
					1m
COVER CLASS (%)					> 70
DOMINANT SPECIES					<i>Conyza discolor</i> <i>Herparia</i>

4. VEGETATION CONDITION

Comments

good - undisturbed

19/1/00 Y034

13-Sep-99

collected soil

Site	Taxon Name	
23	Acacia huegelii	Stirling latifolia
23	Allocasuarina humilis	Brachy loma concolor
23	Anigozanthos manglesii	Pyrorchis nigricans
23	Anigozanthos preissii	Lomandra suaveol
23	Astroloma pallidum ^{humilis}	Barya sphaerocarp
23	Astroloma sp.2	Leporella fimbriat
23	Brachycome sp.1	hagenifera huegel
23	Brachyscome iberidifolia	Hakea prostrata
23	Briza maxima	Lomandra nigricans ^{integrans}
23	Calectasia cyanea	Hybanthus floribundus
23	Caustis dioica	Pterostylis recurva
23	Gomesperma acerosum	Lepidosperma leptostachyum
23	Conostylis serrulata ^{USP}	Conostylis setigera ^{USP}
23	Conostylis sp.1 ?melanopogon	
23	Conostylis sp.2 ?pusilla	
23	Conostylis sp.3	
23	Dryandra nivea lindleyana	
23	Eucalyptus calophylla	
23	Eucalyptus wandoo	
23	Gompholobium knightianum	
23	Harperia lateriflora	
23	Hibbertia hypericoides	
23	Hibbertia subvaginata	
23	Hypochaeris glabra	
23	Isotropis cuneifolia	
23	Laxmannia squarrosa	
23	Loxocarya fasciculata	
23	Macrozamia riedlei	
23	Mesomelaena tetragona	
23	Neurachne alopecuroidea	
23	Opercularia vaginata	
23	Patersonia rudis occident	
23	Pimelea angustifolia	
23	Pimelia ?trichostachya sp1.	
23	Poa sp.1	
23	Podolepis canescens	
23	Poranthera microphylla	
23	Sowerbaea laxiflora	
23	Stackhousia monogyna	
23	Stylidium calcaratum	
23	Stylidium piliferum	
23	Tetrarrhena laevis	
23	Trachymene cyanopetala	
23	Trachymene pilosa	
23	Ursinia anthemoides	
23	Vulpia myuros	
23	Xanthorrhoea preissii	
23	Xanthosia huegelii	

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 Eco 23

Record on Sheet

Date 19/1/00

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

[illegible]

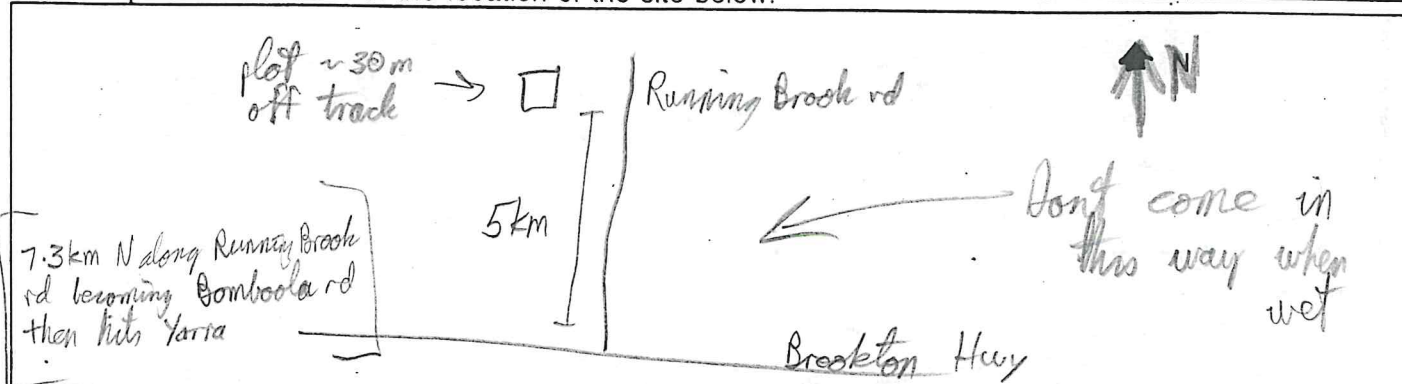
Y031

BUSHLAND AREA Wandoo Conservation Park SITE NUMBER Eco 27
 DATE TRIP 1/2/00 RECORDERS AW/FQ
 DATE TRIP 28/8/00 RECORDERS AW/WM/NG/GK
 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.

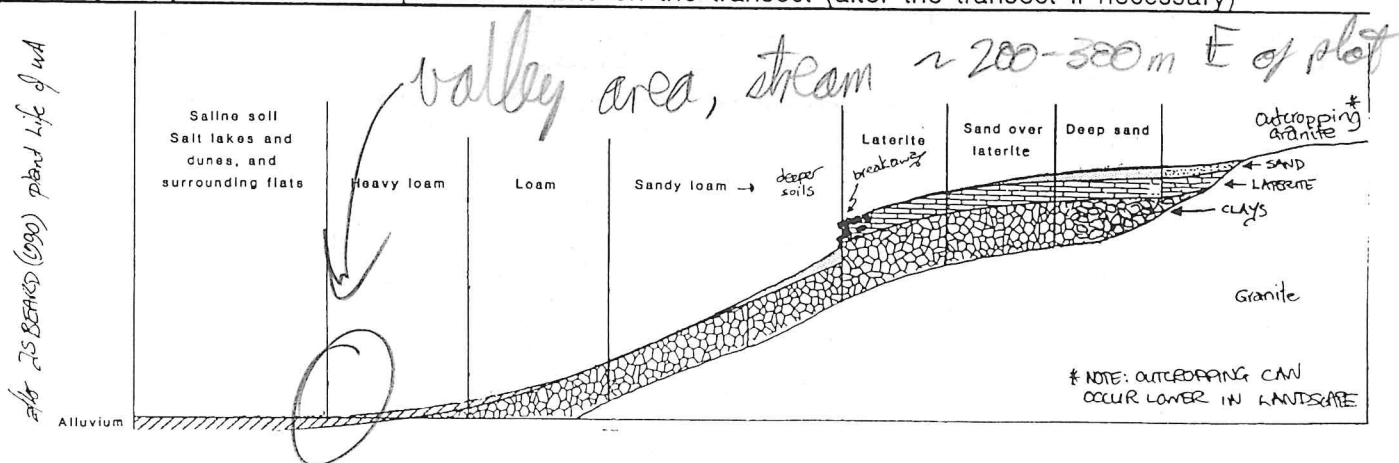
Mud Map Draw a sketch of the location of the site below.

Road Location 5km N along Running Brook rd from Brookton Hwy jnc

Geographic Location Latitude 32° 11' 10.3" S Longitude 116° 23' 48.5 E Altitude _____
 Reference Map _____

Photograph _____ Photographer's Name NG Photo No 34

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 loam Colour grey/Brown
 Exposed rock type _____ % surface _____

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

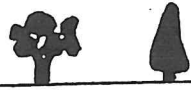
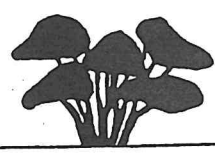
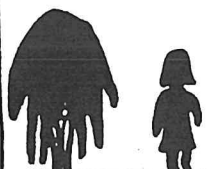
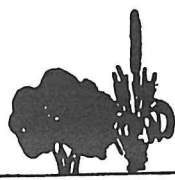
Drainage well mod poor depth water cm Wet all year winter/spring

Litter 90-100 % cover _____
 Depth 1-2 cm Bare Ground _____ % cover _____

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	30-70				
DOMINANT SPECIES	Euc. wandoo				
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			30-70	10-30	
DOMINANT SPECIES			Xanthorrhoea preissii Hakea prostrata	Hakea teretifolia Acacia Astragalus	
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			10-30		
DOMINANT SPECIES			Mesomelaena		

4. VEGETATION CONDITION

Comments

good condition/undisturbed

13-Sep-99

Site	Taxon Name
27	/ Acacia stenoptera
27	/ Astroloma pallidum
27	/ Borya sphaerocephala
27	/ Conostylis sp. 1? melanopogon
27	/ Dampiera alata
27	/ Dryandra nivea <i>Indleyana</i>
27	/ Eucalyptus wandoo
27	/ Gompholobium marginatum
27	/ Goodenia pulchella
27	/ Hakea lissocarpa
27	/ Hakea prostrata
27	/ Hibbertia gracilipes
27	/ Hypocalymma angustifolium
27	/ Isotropis cuneifolia
27	/ Lagenifera huegelii
27	/ Leptocarpus kraussii MS <i>USA</i>
27	/ Loxocarya fasciculata
27	/ Mesomelaena tetragona
27	/ Olax benthamiana
27	/ Patersonia occidentalis
27	/ Patersonia rudis
27	/ Scaevola glandulifera
27	/ Sowerbaea laxiflora
27	/ Stylidium leptophyllum
27	/ Xanthorrhoea preissii

1/2/00

28/9/00

setyera

Drosera menziesii *menz*

Tetraria octandra

Briza maxima

Neurachne alopec

Conostylis aculeata

Hypoxis glabella

Stylidium emargin

Homalosc homaloc

Eryngium pinn

Trachym pilosa

Hydrocotyle callic

Aira caryophyll

Hypoch glabra

Waltzia suaveol

Hibbertia comutata

Tricoryne elatior

Caesia alfordii

✓ Olax benthamiana

Acacia drumm

Schoenus subfascicular *USA*

Lomand suave

SITE No Eco 27
Date 1/2/00

Record on Sheet

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

[illegible]

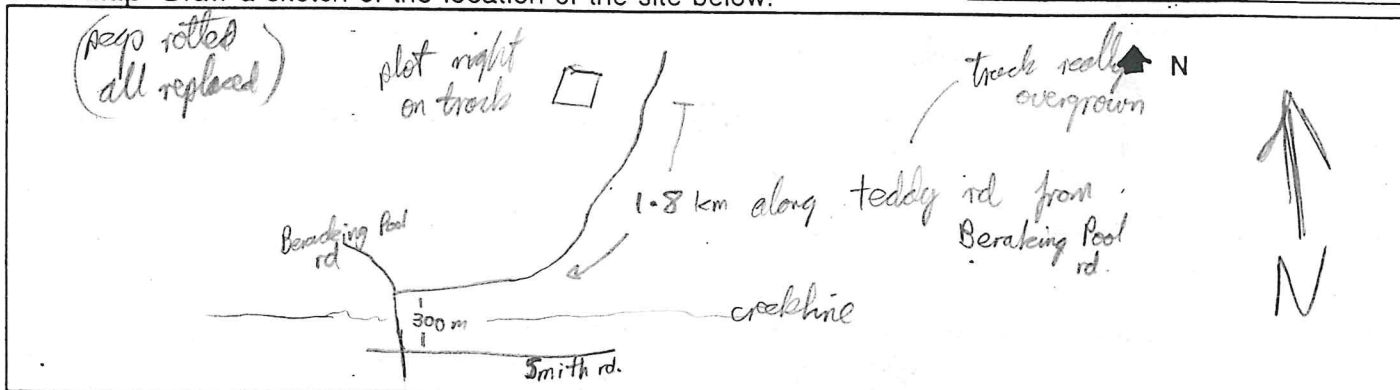
X *Scaveola caliptera* ✓
 // *Danforthia cuneata* ✓

BUSHLAND AREA Wondoo Cono Park SITE NUMBER Eco 29
 DATE TRIP 1/2/00 RECORDERS AW/FQ
 DATE TRIP 28/9/00 RECORDERS AW/WM/NQ/GK
 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 1.8 km N along Teddy road from Beraking Pool rd

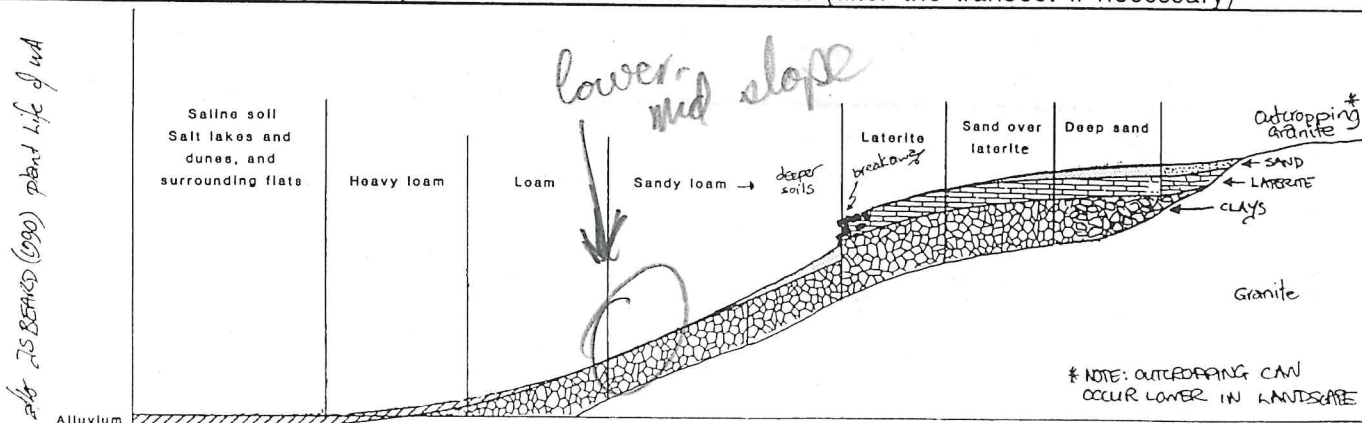
Geographic Location Latitude 32°08'01.8" S Longitude 116°23'37.8" E Altitude _____

Reference Map _____

Photograph _____ Photographer's Name GK

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

Surface Soil very gravelly sandy Colour grey brown
 Exposed rock type laterite % surface 1-3cm size rock

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

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

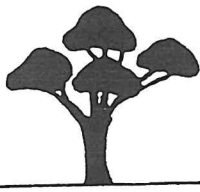
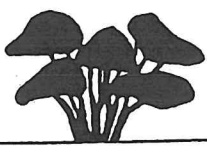
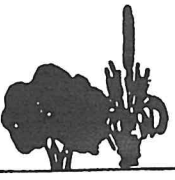
Litter 40 % cover _____ Bare Ground 5 % cover _____
 Depth 1-3 cm

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 (%)	2-10				
DOMINANT SPECIES	<i>Euc wandoo</i>				
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		30-70		30-70	30-70
DOMINANT SPECIES		<i>Xanthorrhoea fraseri</i> <i>Macropodium redlei</i>		<i>Hakea lisaocarpa</i> <i>Dillwynia sp. (Perth flora)</i> <i>Penstemon ornata</i>	<i>Dryandra</i> <i>Hebe</i>
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

good condition

13-Sep-99

= *Leptosperma leptostachyum* (VIM)
8/9/00 7036

Site Taxon Name

- 29 ✓ *Acacia drummondii*
29 ✓ *Acacia nervosa*
29 ✓ *Acacia pulchella*
29 ✓ *Acacia* sp. 1? *preissiana* / *varia*
29 ✓ *Aira caryophylla*
29 ✓ *Bossiaea ornata*
29 ✓ *Brachyscome iberidifolia*
29 ✓ *Conostylis* sp. 2? *pusilla*
29 ✓ *Craspedia variabilis*
29 ✓ *Dampiera alata*
29 ✓ *Dichopogon capillipes*
29 ✓ *Dillwynia* sp. 1
29 ✓ *Dryandra nivea* *indleyana*
29 ✓ *Eucalyptus calophylla* NO
29 ✓ *Eucalyptus rudis*
29 ✓ *Eucalyptus wandoo*
29 ✓ *Gompholobium marginatum*
29 ✓ *Hibbertia montana* comut
29 ✓ *Kennedia coccinea*
29 ✓ *Labichea punctata*
29 ✓ *Lagenifera huegelii*
29 ✓ *Lechenaultia biloba*
29 ✓ *Lepidosperma tenue* *squamatum* (fine)
29 ✓ *Lomandra spartea*
29 ✓ *Loxocarya flexuosa* *Desmocl asper*
29 ✓ *Macrozamia riedlei*
29 ✓ *Stylidium calcaratum*
29 ✓ *Trichocline spathulata*
29 ✓ *Xanthorrhoea preissii*
29 ✓ *Xanthosia candida*

- 1/2/00
28.9.00
✓ *Hydrocotyle callicarpa*
✓ *Hibbertia huegelii*
✓ *Caladenia flava*
✓ *Briza minor*
✓ *Oxalis perennans*
✓ *Daviesia decurrens*
✓ *Drosera stolonifera*
✓ *Opercularia vag*
✓ *Desmocl. fascic*
✓ *Lomandra brittanii*
✓ *Stenanthemum* sp

- ✓ *Grevillea synaphea*
✓ *Philotus manglesii*
✓ *Hakea lissocarpa*
✓ *Synaphea* ~~*petiolaris*~~ *deurycarpa*
✓ *Lepidobol preiss*
✓ *Hypochaeris glabra*
✓ *Bossiaea eriocarpa*
✓ *Scaevola calliptera*
✓ *Schoenus clandest*
✓ *Hypoxis occid*
✓ *Caladenia longicauda* (VSP)

- ✓ *Daucus glachid*
✓ *Chaemasc corymb*
✓ *Anagallis arvens*
✓ *Billardiera variifolia*
✓ *Millotia tenuiflora*
✓ *Vulpia myuros*
✓ *Neurachne alopec*
✓ *Hovea charizemif*
✓ *Aira caryophyll*
✓ *Caesia micrantha* (VSP)
✓ *Leptomeria cunning* (VSP)
✓ *Olearia paucident*

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

[illegible]

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

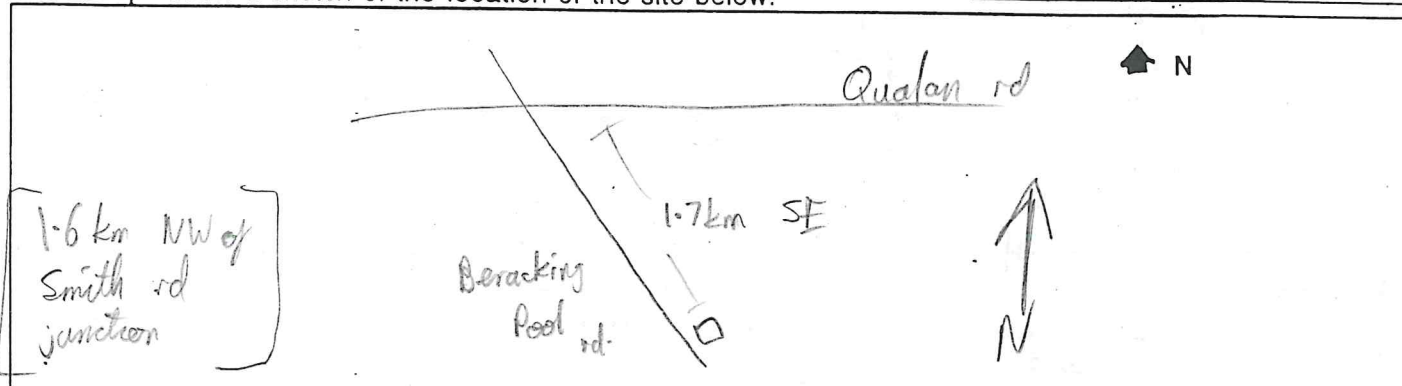
Y037

BUSHLAND AREA Wandoo Cons Park SITE NUMBER Eco 30
 DATE TRIP 1/2/00 RECORDERS AW/FQ
 DATE TRIP 28/9/00 RECORDERS AW/WM/NG/GK
 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.

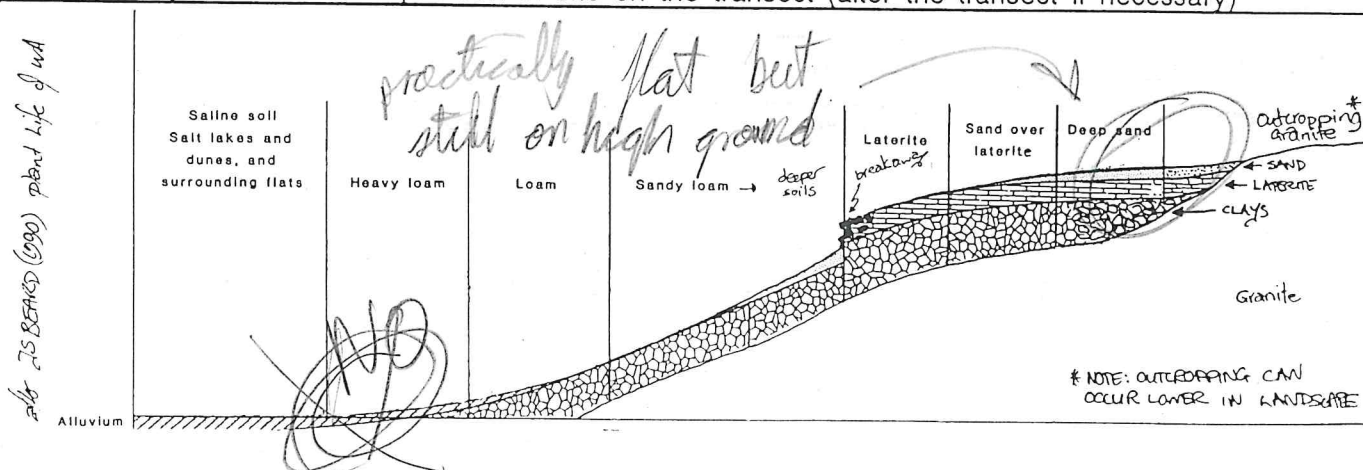


Road Location 1.7 km SE along Beracking Pool rd from Qualan rd jnc.

Geographic Location Latitude 32° 07' 46.2" S Longitude 116° 22' 09.3" E Altitude _____
 Reference Map _____

Photograph Photographer's Name NG Photo No 35

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



2. SITE DATA Circle the correct response.

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

Surface Soil loamy sand Colour 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

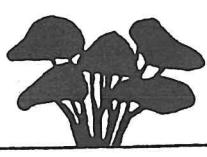
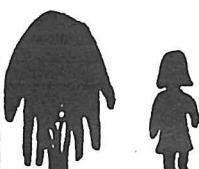
Litter 100 % cover _____ Bare Ground _____ % cover _____
 Depth 3-4 cm

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 (%)	30-70				
DOMINANT SPECIES	<i>Euc. marginata</i>				
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		2-10		30-70	
DOMINANT SPECIES		<i>Xanthorrhoea gracilis</i> <i>Hakea ruscifolia</i>		<i>Stirlingia latifolia</i> <i>Xanthorrhoea</i> <i>Hibbertia</i>	<i>Banksia ericoides</i> <i>Banksia ornata</i>
GRASSES		HERBS	SEDGES	under 0.5m	
			over 0.5m		
LIFE FORM					
COVER CLASS (%)			10-30		
DOMINANT SPECIES			<i>Lepidosperma</i> <i>Mesembryanthemum</i>		

4. VEGETATION CONDITION

Comments

good condition

Y037

13-Sep-99

28/9/00.

1/2/00

Site	Taxon Name	
30	Acacia insolita <i>ssp. effoliate</i>	
30	Acacia willdenowiana	
30	Bossiaea eriocarpa	
30	Bossiaea ornata	
30	Burnettia nigricans	
30	Conostylis sp. 2 ?pusilla	
30	Dillwynia sp. A	
30	Dryandra nivea <i>lindley</i>	
30	Eucalyptus marginata	
30	Gompholobium capitatum	
30	Hakea ruscifolia	
30	Hemandra pungens ?	
30	Hibbertia huegelii	
30	Hibbertia hypericoides	
30	Kennedia coccinea <i>prostrata</i>	
30	Lechenaultia biloba	
30	Lepidosperma angustatum <i>squaratum</i>	
30	Leptocarpus coangustatus	
30	Loxocarya fasciculata	
30	Mesomelaena tetragona	
30	Oxalax benthamiana	
30	Opercularia hispidula	
30	Sollya heterophylla	
30	Stylidium brunonianum	
30	Styphelia tenuiflora	
30	Xanthorrhoea preissii	

Homandra preissii

Mesomel graciliaps

Oxalax bentham

Stipa pycnostach

Stylid repens

Drosera quadrifida

Stirlingia latifolia

✓ Homandra sanderi

Acacia ^{willdenowiana} ~~applanata~~

✓ Labichea punctata

✓ ~~Des~~ Acacia preissiana

Hemandra pungens

Drosera erythrorhiza

✓ Tetraena octand

✓ Acacia ~~preissii~~ *barbinervis*Patersonia juncea *ssp. barbinervis*

Errost spic

Homandra sericea

✓ Conostylis I setigera

✓ " II serrulata

✓ Grevillea synaphea

✓ Hypolaena exsulca

✓ Hibbertia enervia

✓ Gomph confert

Xanthos huegel

✓ Astroloma pallid

Homandra hermaph

Patersonia occid

Loman caespit

Leporella fimb

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No Eco 30

Date 1/2/00

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
				Eriostemon sp.							
<i>Euc. marginata</i>				Dampiera - in old flower							
				✓ <i>Hakea laevis punctata</i>							
<i>Banksia grandis</i> 20x20				Acacia extensa - ?? #3							
				Lomandra - in fruit - ??							
				✓ <i>Astroloma pallidum</i>							
MALLEES				<i>Enchopentia biloba</i>							
				✓ <i>Acacia insulata</i> - ??							
				GRASSES							
				✓ <i>Comespernum virgatum</i>							
SHRUBS											
✓ <i>Gompholobium capitatum</i>											
<i>Xanthorrhoea preissii</i>											
<i>Xanthorrhoea</i> #2 - ??											
<i>Hakea muscicarpa</i>											
<i>Stirlingia latifolia</i>											
<i>Rosicarpa ericarpa</i>											
<i>Boraginaceae ornata</i>											
✓ <i>Myrsine lindleyi</i>											
✓ <i>Styphelia tenuiflora</i>											
<i>Acacia</i> data - ??											
✓ <i>Grevillea synophora</i> - ??											
<i>Burtonia</i>											
✓ <i>Oxleya perthensis</i>											
✓ <i>Gompholobium confertum</i>											
✓ <i>Hibbertia</i> sp. <i>huegelii</i>											
✓ <i>Hibbertia</i> sp. <i>enervia</i>											
✓ <i>Acacia preissiana</i> #2											
✓ <i>Dampiera linearis</i> - ??											
<i>Cassia</i>											
✓ <i>Kanarra</i> sp. <i>prostrata</i>											
✓ <i>Acacia wilsoniana</i>											

SEDGES

✓ <i>Lomandra sonderi</i>	✓	(VSP)
✓ <i>Mesomelaena tetragona</i>	✓	
✓ <i>Lepidosperma</i> sp. <i>angustatum</i>		
<i>Pectis</i> - large herb		
✓ <i>Homocladus fasciculatus</i>	✓	
<i>Pectis</i> #2		
<i>Meeboldia</i> sp.		
✓ <i>Hypochaeris exsulca</i>	✓	(VSP)
✓ <i>Tetranaxandera</i> (data)		

HERBS

✓ <i>Conostylis</i> sp. <i>steg.</i>		
<i>Conostylis</i> #2		
✓ <i>Stylidium repens</i> - ??	✓	(VSP)

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

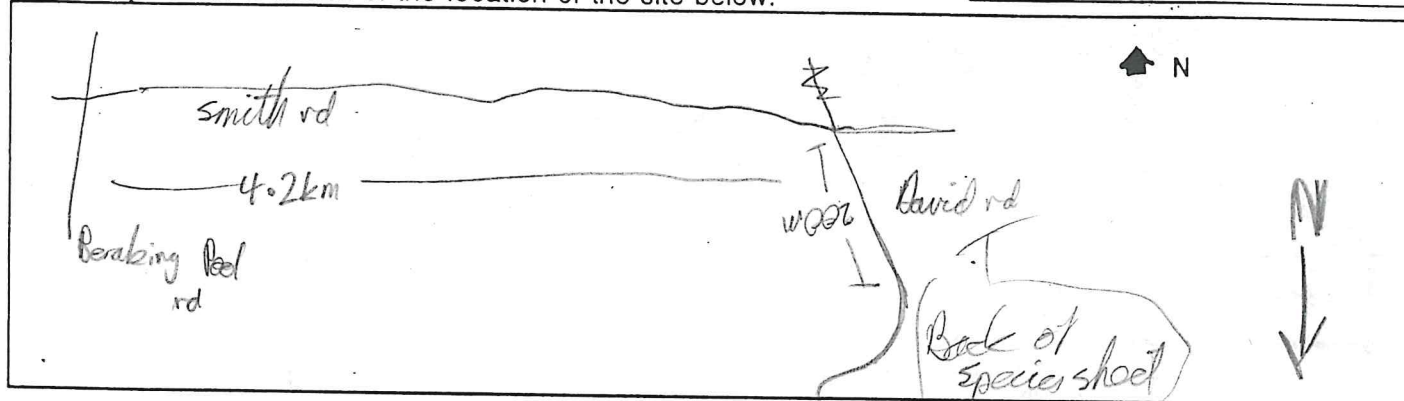
Y038

BUSHLAND AREA Wandoo Cons Park SITE NUMBER Eco 31
 DATE TRIP 1/2/00 RECORDERS AW/FQ
 DATE TRIP 28/9/00 RECORDERS AW/NG/WM/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.

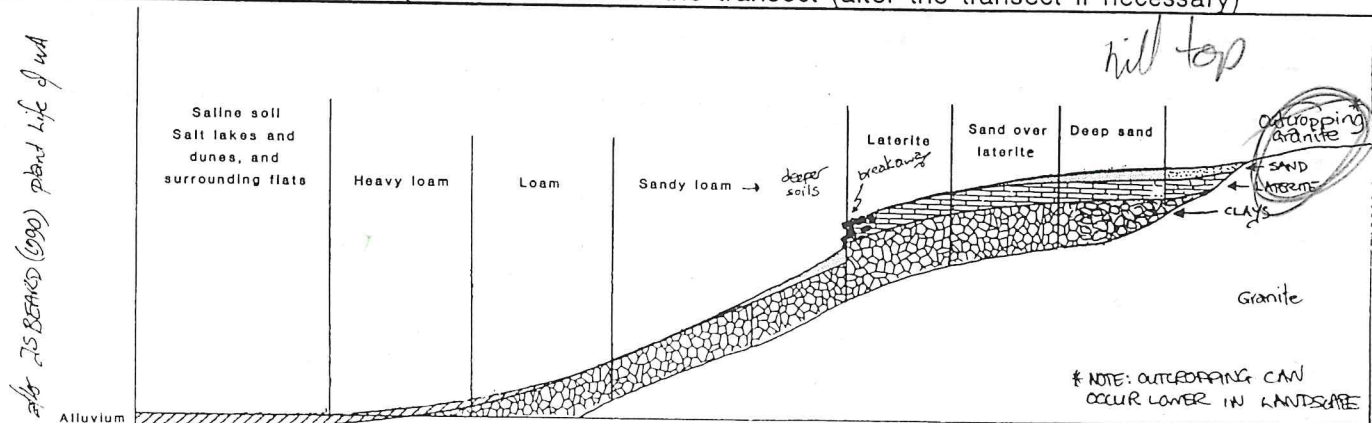


Road Location 200m N along David rd from Smith rd junction

Geographic Location Latitude 32° 07' 46.6" S Longitude 116° 20' 21.5" E Altitude _____
 Reference Map _____

Photograph Photographer's Name NG Photo No 36

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



2. SITE DATA Circle the correct response.

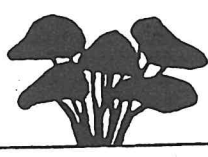
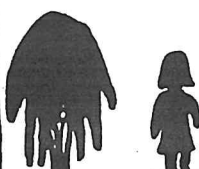
Slope	flat	<u>gentle</u>	steep	Aspect	<u>N</u>	<u>NE</u>	E	SE	S	SW	W	NW	
Surface Soil	<u>loam</u>			Colour	<u>brown</u>								
Exposed rock	type	<u>granite</u>	<u>boulders</u>	% surface	<u>80-90% outcrops</u>								
Sub-surface Soil	<u>60-100cm in size</u>			Colour									
Rock	type			depth to rock									
Drainage	well	mod	poor	depth water	cm	Wet	all year	winter/spring					
Litter	Depth	<u>60</u>	% cover	Bare Ground	<u>80-90%</u>	% cover	<u>rock bare</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 (%)	ADJ				
DOMINANT SPECIES	Euc wandoo, Euc calophyllo				
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		30-70		30-70	
DOMINANT SPECIES		Xanthorrhoea preiss Macrozamia redlei		Hibbertia Acacia pulchella Dryandm	Hakea lucida false Boronia
GRASSES		HERBS	SEDGES	under 0.5m	
	over 0.5m				
LIFE FORM					
COVER CLASS (%)		2-10		2-10	
DOMINANT SPECIES		Stylidium		Lepidosperma	

4. VEGETATION CONDITION

Comments

good condition / undisturbed

Y038

13-Sep-99

Site

Taxon Name

1/2/00

31	Acacia nervosa
31	x Acacia pulchella
31	x Aira caryophyllea
31	x Briza maxima
31	x Burchardia umbellata
31	x Daviesia cordata
31	x Daviesia gracilis
31	x Daviesia horrida
31	x Diuris longifolia
31	x Dryandra nivea
31	x Eucalyptus marginata
31	none Eucalyptus wandoo
31	Hakea lissocarpa
31	x Hibbertia hypericoides
31	x Hibbertia montana
31	Lagenifera huegelii
31	x Lomandra preissii
31	x Lexocarya flexuosa
31	Macrozamia riedlei
31	Neurachne alopecuroidea
31	Orthrosanthus laxus
31	x Phyllanthus calycinus
31	x Pimelea ciliata
31	Podolepis lessonii
31	x Stylidium calcaratum
31	x Stylidium schoenoides
31	x Trachymene cyanopetala
31	x Trachymene pilosa
31	x Trymalium sp.1
31	x Xanthorrhoea preissii

~~Drosera glandulig~~
Hypoxis occid
Havea choriz
Wahlenberg preiss
Hydrocotyle callic
Caesia micrantha

Marr
✓ Arthrop. capillipes
Daucus gloch
✓ Gomph margin
✓ Stylidium caricifo
Hypochaeris glab
Briza minor
Thysan paterson
Millotia
✓ Synaphea petiolaris
gracilema
(200)

Vulpia myuros
Chamaescilla cerymb lat
Cassytha
Homalosc homaloc
Stylidium bulbifer
hevenhookia pusill
Astroloma epasrid
Drosera ? pallid
✓ Lepidosp tenue leptostegum

Y038

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20 x 20

5. SPECIES PRESCENCE

SITE No ECO 31

Date 1/2/00

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

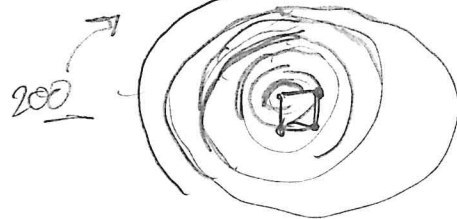
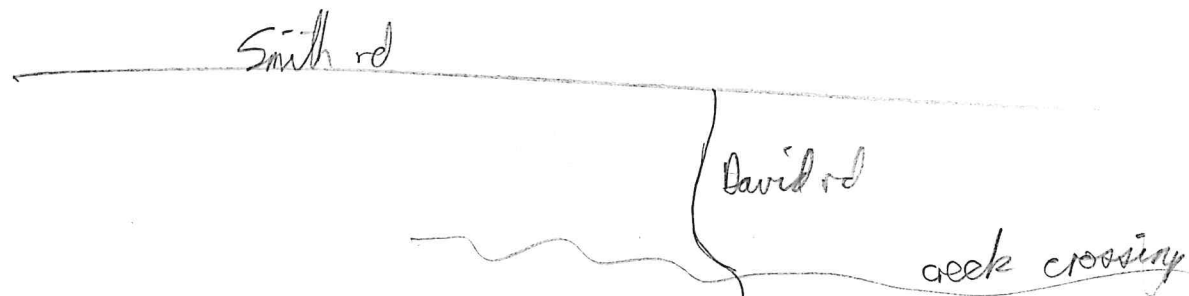
- Column 1 plant name
- Column 2 plant number
- Column 3 flowering time- TICK if species flowering
- Column 4 Identification check

Euc. caloph

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. wandoo				Lechenaultia biloba							
Euc. calophylla				X Synaphea sp. petiolaris							
→ Calothamnus quadrifidus				Glinholia							
				X Pimelea ciliata							
MALLEES	No	FI	ID	GRASSES	No	FI	ID	SEDGES	No	FI	ID
giniticus				Neurachne alopec				X Patersonia sp			
				X Austroanthus sp.				Lepidosperma sp			
				Briza maxima				sp. ideal sedge			
SHRUBS	No	FI	ID	HERBS	No	FI	ID				
X Daleyia, horrida				Stylidium longitubum -??				X Lepidosperma #2 -??			
Xanthorrhoea proserpi				Levenhookia				X Lepidosperma gracile			
Macrozamia redlei								X Desmodium quinquevittatum			
X Hibbertia montana sp. #2 commutata				X Stylidium maritimum							
X Hibbertia sp. hypericoides				caricifolium (JSP)							
Hakea lasiocarpa											
gala Boronia											
X Dryandra lindleyi											
X Gonolobum marginatum											
X Ptilotheca sp. Borwinia citriodora											
X Acacia pulchella											
Acacia saligna -?? young one											
Daveyia cordata											
→ Gailletia seedling -??											
X Anthopodium capillare											
X Astroloma prostratum -?? compact at flw											
X Oenothera alba											
Strange red petiole ground spreader											
X Phyllanthus calycinus											

possibly not quad maybe

maybe Daveyia cordata



granite outcrop hill that
track goes around
plot is right on top overlooking
stream

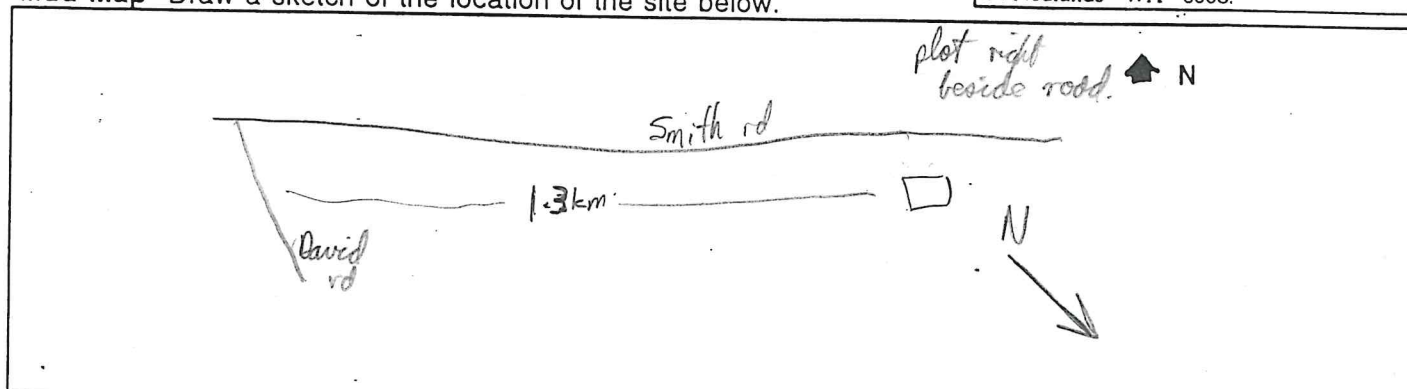


BUSHLAND AREA Wandoo Conservation Park SITE NUMBER Eco 32
 DATE TRIP 1/2/00 RECORDERS AW/FQ
 DATE TRIP 28-9-00 RECORDERS AW/WM/NG/GK
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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.

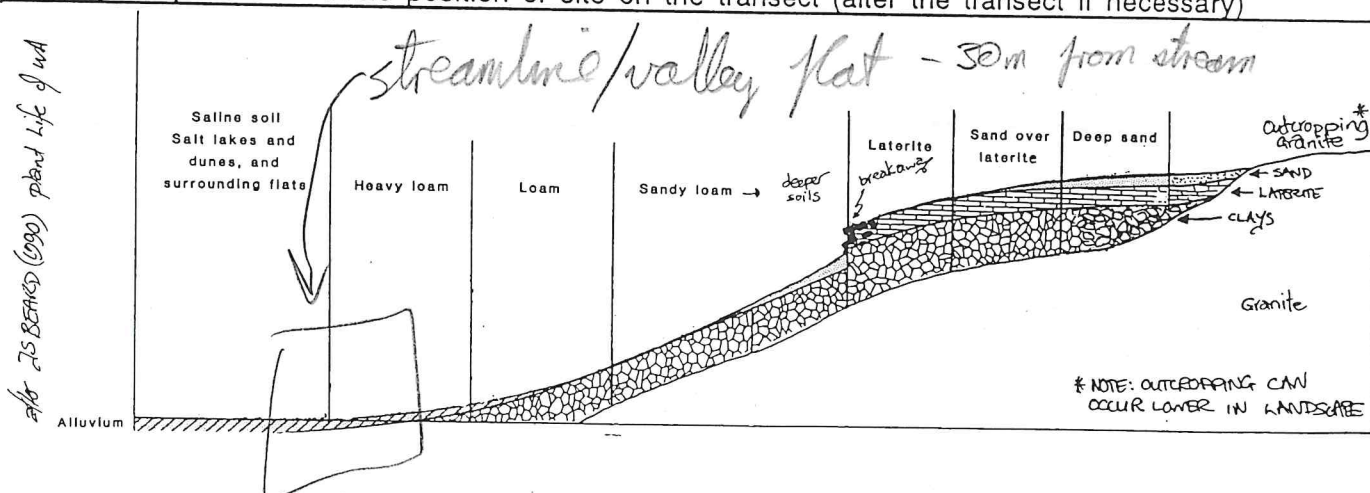


Road Location 1-3 km W along Smith rd from David rd junction

Geographic Location Latitude 32° 07' 43.9" S Longitude 116° 19' 32.9" E Altitude _____
 Reference Map _____

Photograph Photographer's Name NGK 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 very gentle steep Aspect N NE E SE S SW W NW

Surface Soil Brown sandy loam Colour 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

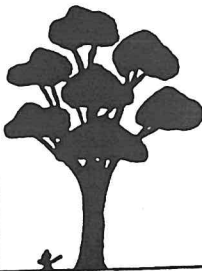
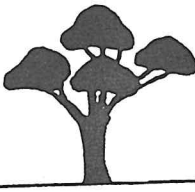
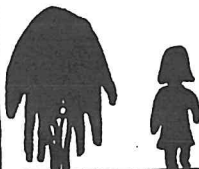
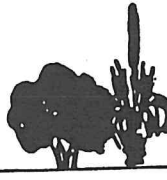
Litter 30-40 % cover _____
 Depth 2-4 cm Bare Ground _____ % cover _____

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					
COVER CLASS (%)	ADJ	10-30			
DOMINANT SPECIES	<i>Euc. nardoo</i> <i>Euc. patens</i> <i>Euc. calophylla</i>	<i>Euc. patens</i>			
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		30-70		30-70	
DOMINANT SPECIES		<i>Macraeaia redla</i> <i>Grevillea</i> <i>Dryandra</i> <i>Xanthorrhoea paco</i>		<i>Hakea lisacarpa</i> <i>Acacia pulchella</i> <i>Baeckea</i> -??	<i>Trymaleum</i> <i>Hilbertia</i>
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)			10-30		
DOMINANT SPECIES			<i>Lepidosperma</i>	<i>Lepidosperma</i>	

4. VEGETATION CONDITION

Comments

good condition/undisturbed

13-Sep-99

Y039

hom. hermaph
Hibbert ~~rhadinop~~ ^{poly styl}
Thelym. erinita
Fetaria oct

Daucus glochid
Thelymitra sp. ^{basilhamii}

1/2/00

Site

Taxon Name

- 32 x Acacia pulchella
32 Aira caryophyllea
32 x Baeckea camphorosmae
32 Bossiaea ornata
32 Caladenia flava
32 Craspedia variabilis
32 Dampiera alata
32 Daviesia decurrens
32 ~~Daviesia divaricata~~
32 Dichopogon capillipes
32 x Dryandra nivea ^{indley}
32 x Dryandra praemorsa
32 E. patens Eucalyptus marginata ^{Blackbutt}
32 Eucalyptus wandoo
32 Hakea lissocarpa
32 Hemianandra pungens
32 Hibbertia montana ^{comutata}
32 Hovea trisperma
32 x Hypocalymma angustifolium
32 Labichea punctata
32 Lepidosperma ~~tenue~~ (large) ^{leaf L. styligum}
32 Macrozamia riedlei
32 Neurachne alopecuroidea
32 x Ptilotus manglesii
32 x Scaevola calliptera
32 Sowerbaea laxiflora
32 Sphaerolobium medium
32 Stylidium calcaratum
32 Tetrarrhena laevis ^{Microlaena stip}
32 ~~Tetratheca similis~~
32 Trachymene cyanopetala
32 Trachymene pilosa
32 Tricoryne elatior
32 x Trymalium floribundum
32 Xanthorrhoea preissii
32 Xanthosia candida

- Hypoxis occid
Homalosciaid hom
Schoenus nannus
Centrolepis drumm
Centrol aristata
Cassytha glabella
Hypochaeris glabra
Woodenia pulchella ^{csp whitebelt}
Paranthera microp
Calsia micrantha
Thysan thrysoid
Acacia willd
Grevillea manglesii ^{mangleri}
Scaevola callipt
Styl. brunon

- Thysan patersonii
✓ Stackhousia monogyna
✓ Grevillea pilulifera
Drosera erythrorhiza
Stylidium bulbif
Lagenifera huegelii
Aphelia cyp
Pterochaeta pania
Briza minor
✓ Thys. dichotomus

- Millotia tenuiflora
Chaemascill corymb latif
Hydrocotyle callitrip
Baeckea camphor
Gomph margin
Ptilotus mangles
Drosera gland
✓ Desmod asper
Athrop capillip
Paterson ~~and~~ ^{minlin}

Tetratheca ^{hirsuta}
Cassytha ^{aurea}

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x20

5. SPECIES PRESCENCE

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

SITE No Eco 32

Record on Sheet

Date 1/2/00

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

Euc. calophylla

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. patens				✓ Gompholobium marginatum	✓						
				Ceschonanthus biloba							
				Boronia crata							
Euc. wandoo				Indocalamus thymoides	✓						
Euc. calophylla > 20x20				Pterisantha							
				✓ Juncus / Hoven trisperma	✓						
				Glinnocarpon ??							
MALLEES				✓ Stackhousea monogyna	✓						
				GRASSES							
				Neurochene alopec							
SHRUBS											
✓ Grevillea crata ???				✓ Pilulifera							
✓ Grevillea manglesii sp manglesii				✓ VSP							
✓ Halesia lasiocarpa											
✓ Dryandra crata proemensa	✓										
✓ Dryandra crata grandis				✓ Lindleya							
✓ Macaranga redlei											
✓ Xanthorrhoea premissa				HERBS							
✓ Hibbertia											
✓ Baeckea crata camphorosmate	✓			✓ Platelia manglesii	✓						
✓ Acacia pulchella				✓ Labellia gibbosa heterophylla							
✓ Campion alata				✓ Pygmaea Dracra							
✓ Trymalium floribundum	✓			✓ Cadytha glabella	✓						
✓ Acacia crata wilderowiana	✓										
✓ Tetraloba hisuta	✓										
✓ Scandela caliptera	✓										
✓ Hibbertia sp #2	✓										
✓ Hypocalymma spongost	✓										
✓ Hibbertia sp #3	✓			hypericoides							
✓ Acacia nervosa	✓										
✓ Hibbertia crata sp #1	✓			commutata							

✓ Hibbertia enervia

SEDGES	No	FI	ID
Horopis ???			
✓ Lepidosperma #1 gracile	✓		
✓ Lepidosperma sp #2			
Lepidosperma #3			
✓ Desmodium - quiricantis	✓		

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

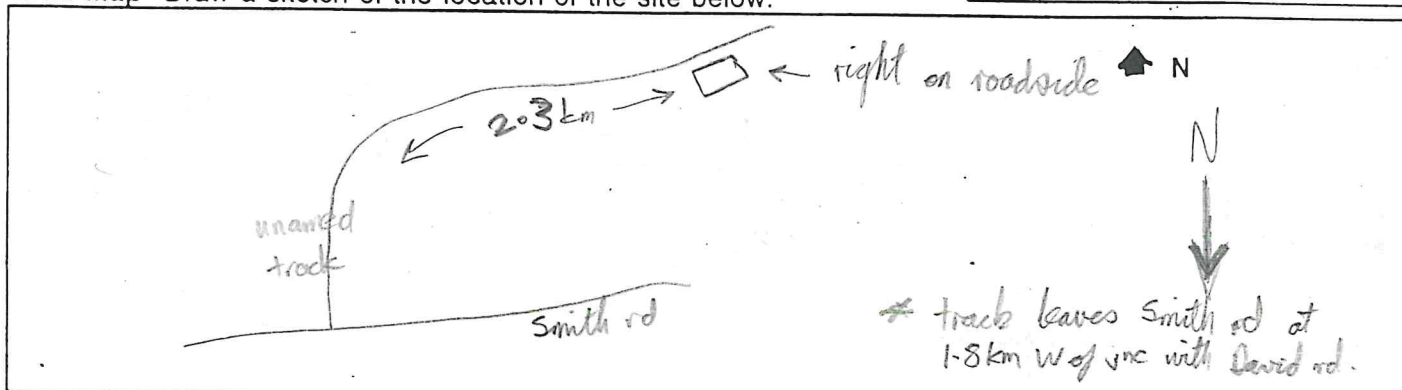
Y040

BUSHLAND AREA Wandoo Cons Park SITE NUMBER Eco 33
 DATE TRIP 1/2/00 RECORDERS AW/FQ
 DATE TRIP 28-9-00 RECORDERS AW/WM/GK/NG
 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.

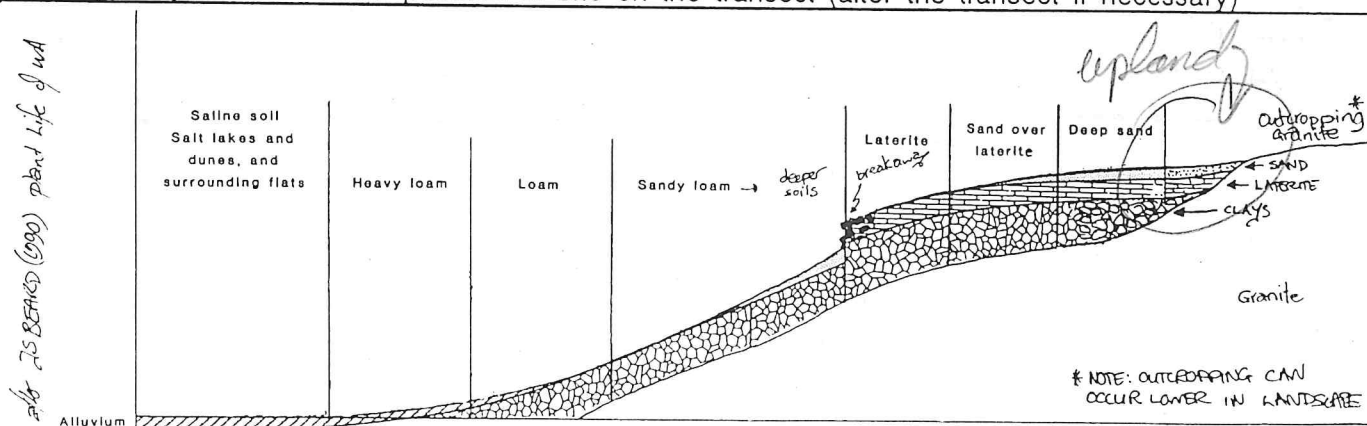


Road Location 2.3 km S along unnamed track from jnc with Smith rd.

Geographic Location Latitude 32° 08' 39.7" S Longitude 116° 19' 25.8" E Altitude _____
 Reference Map _____

Photograph Photographer's Name GK Photo No 25

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



2. SITE DATA Circle the correct response.

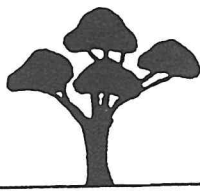
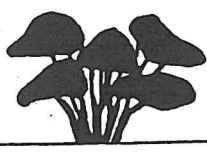
Slope	flat	<u>very gentle</u>	steep	Aspect	N	NE	E	SE	S	SW	W	<u>NW</u>
Surface Soil	<u>loamy gravel - (road building material)</u>											
Exposed rock	type	<u>laterite</u>	% surface	Colour	<u>orange</u>							
Sub-surface Soil	Colour _____											
Rock	type	depth to rock _____										
Drainage	well	mod	poor	depth water	cm	Wet	all year	winter/spring				
Litter	Depth	<u>3</u>	% cover	Bare Ground	_____	% cover						

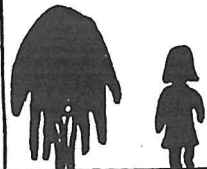
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Muir)- use pencil only

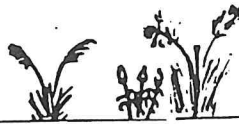
3. VEGETATION STRUCTURE AND COVER

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				MALEES	
	over 15m	5 - 15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	30-70		2-10		
DOMINANT SPECIES	<i>Allocasuarina</i> <i>Euc. marginata</i> <i>Euc. calophylla</i> - 20x20	<i>Acacia</i>	<i>Euc. calophylla</i> - saplings		

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				30-70	
DOMINANT SPECIES				<i>Hibbertia</i> <i>Boerhaavia ornata</i> <i>Styphelia</i>	<i>Adenanthos barbiger</i> <i>Daviesia</i>

GRASSES		HERBS		SEDGES	
	over 0.5m		under 0.5m		
LIFE FORM					
COVER CLASS (%)		10-30	10-30		
DOMINANT SPECIES		<i>Pterisanthera</i>	<i>Lepidosperma</i> <i>Lepidosperma</i>		

4. VEGETATION CONDITION

Comments

good condition / undisturbed

Y040

13-Sep-99

28-8-00

1/2/00

Site	Taxon Name	
33	Acacia drummondii	
33	X Acacia sp. 1 ?preissiana / varia	Grevillea synaphaea
33	X Adenanthos barbigerus	
33	Allocasuarina fraseriana	
33	Allocasuarina huegeliana	Pterostylis recurva
33	Bossiaea ornata	
33	Conostylis serrulata	
33	X Conostylis sp. 2 ?pusilla setigera	Tetraria capillaris
33	Dampiera linearis	
33	X Daviesia preissii	Lom sondri
33	Drosera leucoblasta	
33	X Dryandra nivea imdaley	Drosera stolonifera
33	Eucalyptus marginata	
33	Gahnia drummondii	Xanthos candida
33	Gompholobium capitatum	
33	X Gompholobium knightianum	Lom spartea
33	Hakea ruscifolia	
33	Hibbertia furfuracea	
33	X Hibbertia hypericoides	Thelym & sp
33	X Hibbertia montana commutata	
33	Kennedia coccinea	
33	Kennedia sp. 1	
33	Labichea punctata	Opercularia apicif
33	Lechenaultia biloba	
33	Lepidosperma angustatum squamul	
33	X Lepidosperma tenuis groat leptostylum	Euc. caloph
33	Leucopogon capitellatus	
33	Lomandra maritima hermaph	
33	Patersonia babianoides	
33	Patersonia graminea	Lom caesp
33	Patersonia pygmaea	
33	Patersonia rudis	
33	X Pentapeltis peltigera	Lepidosperma ang
33	X Ptilotus manglesii	
33	X Scaevola calliptera	Opercularia echinoph
33	Schoenus clandestinus	
33	Stipa sp. 1 pycnostach	Tetraria oct
33	X Stylidium amoenum	
33	X Stylidium ciliatum hispidum	Thysanot thyrs
33	Stylidium junceum	
33	X Styphelia tenuiflora	✓ Hovea chorig
33	X Tetratheca pilifera hirsuta	Stylidium pilif hirs
33	Thelymitra crinita	
33	Trichocline spathulata	✓ Cyanicula sericea
33	Tricoryne humilis	
33	Xanthorrhoea gracilis	Lom suaeu
33	Xanthorrhoea preissii	

Date 1/2/00

Record on Sheet

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

[illegible]

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

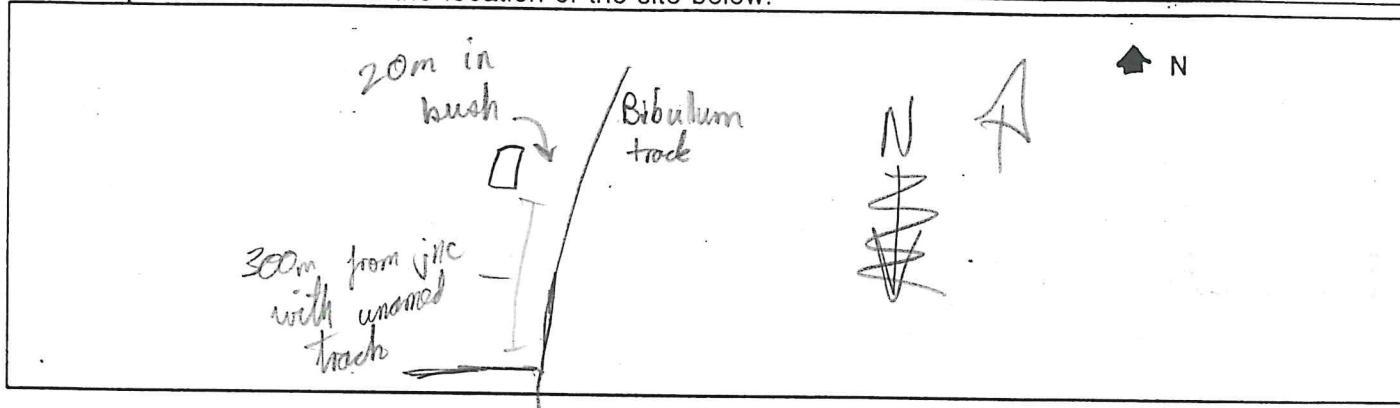
Y041

BUSHLAND AREA Wondoo Cons Park SITE NUMBER Eco 34
 DATE TRIP 1/2/00 RECORDERS AW/FQ
 DATE TRIP 28/9/00 RECORDERS AW/NG/wm/GK
 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.

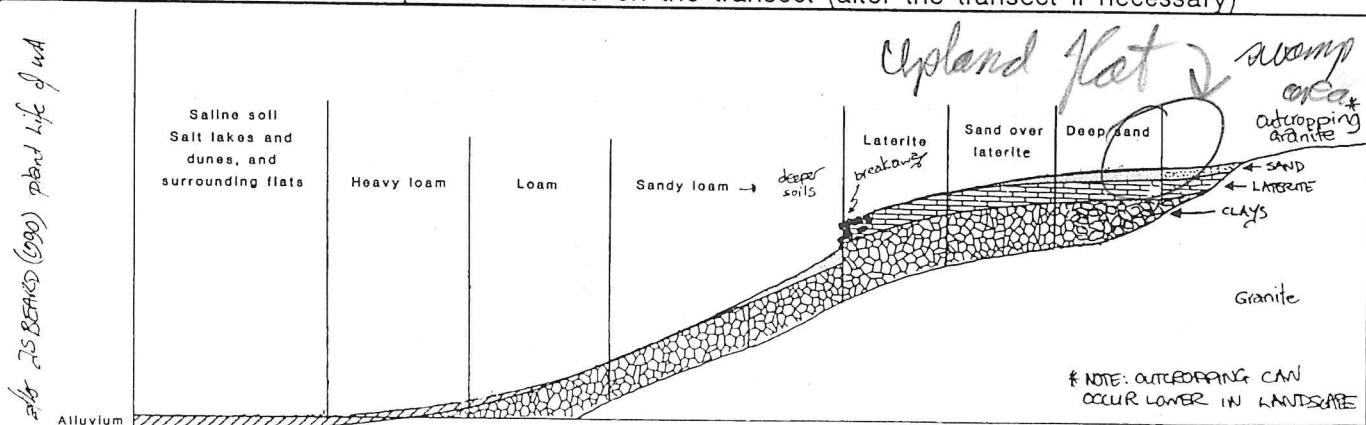


Road Location 300m S along Bibulum track from unnamed track jnc

Geographic Location Latitude 32° 08' 57.5" S Longitude 116° 18' 10.7" E Altitude _____
 Reference Map _____

Photograph _____ Photographer's Name NG Photo No 37

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 peaty loam Colour dark brown
 Exposed rock type _____ % surface _____

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

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

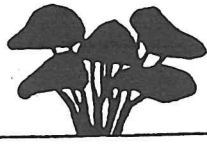
Litter Depth 10-30 % cover _____
3-4 cm Bare Ground _____ % cover _____

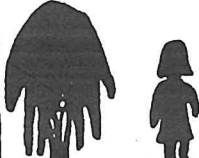
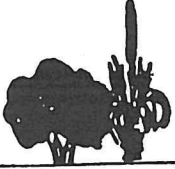
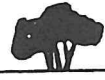
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

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					
COVER CLASS (%)	2-10				
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	30-70	
DOMINANT SPECIES			Xanthorrhoea preissii	Hypocalymma Bonifortii Halda varia	Pericalymma elliptica

GRASSES		HERBS	SEDGES	over 0.5m		under 0.5m	
LIFE FORM							
COVER CLASS (%)			70 →				
DOMINANT SPECIES			Mesomelaena Gahnia Restia				

Lepidosperma

4. VEGETATION CONDITION

Comments

good condition
Some minor pig diggings

Y041

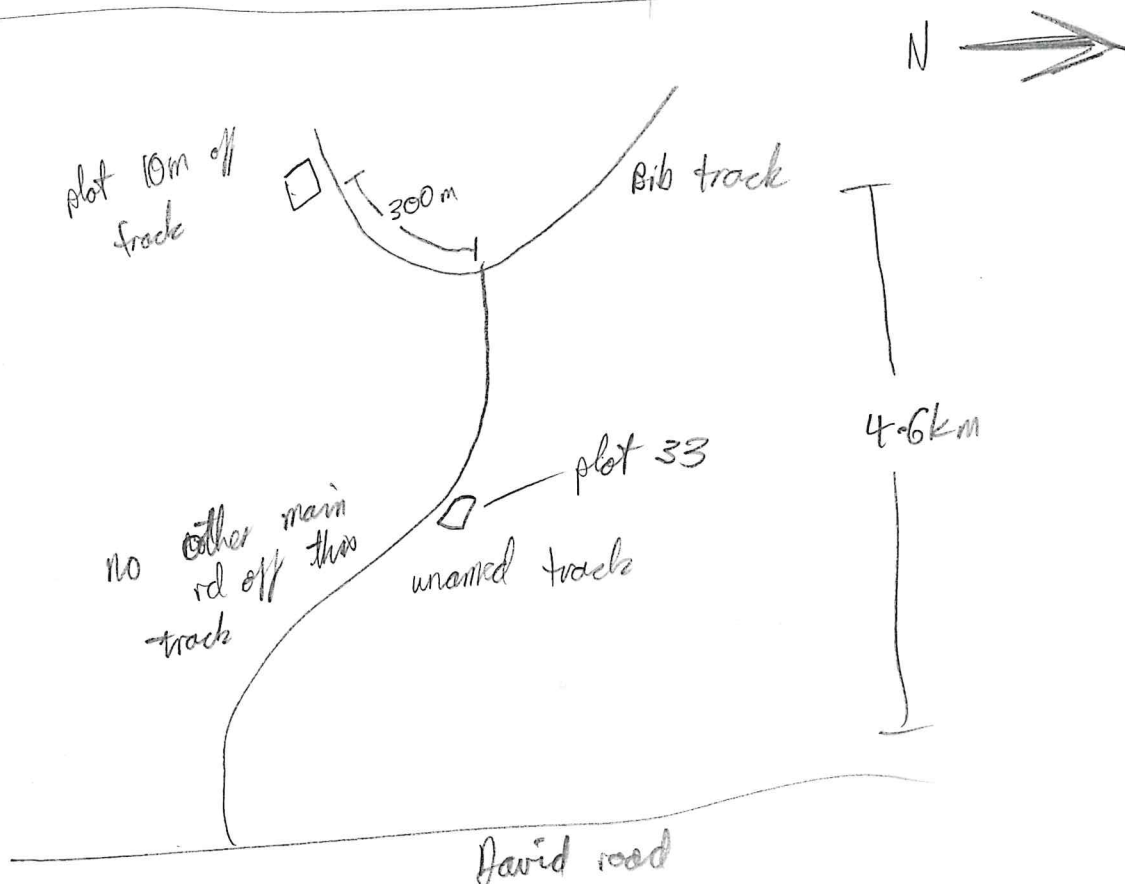
13-Sep-99

Site	Taxon Name
34	Acacia stenoptera
34	Anarthria gracilis
34	Boronia sp.1
34	Dampiera alata linearis
34	Eucalyptus wandoo
34	Goodenia pulchella
34	Hakea varia H. ceratophyllo
34	Hypocalymma angustifolium
34	Leptocarpus coangustatus
34	Lomandra integra
34	Lomandra micrantha
34	Loxocarya fasciculata
34	Melaleuca incana
34	Mesomelaena tetragona
34	Pericalymma ellipticum
34	Petrophile squamata
34	Schoenus sp.1
34	Tetraria octandra
34	Tetrarrhena laevis
34	Thelymitra crinita
34	Xanthorrhoea preissii

incurva

1/2/00

✓ Synaphea petiolare (USP)
 ✓ Schoenolaena juncea
 ✓ Gomph. margin
 Patersonia juncea
 ✓ Cyathoch avenac
 ✓ Lepidosperma ^{squamatum} purpurascens
 Patersonia occ
 ✓ Hypolaena exsulca
 Microlaena stip
 Neurachne alop



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

Eve marg

• Column 4 Identification check																				
TREES				No	FI	ID	SHRUBS (cont.)				No	FI	ID	HERBS (cont.)				No	FI	ID
Euc wandoo																				
Euc marginata - (20x20)																				
MALLEES																				

1408

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

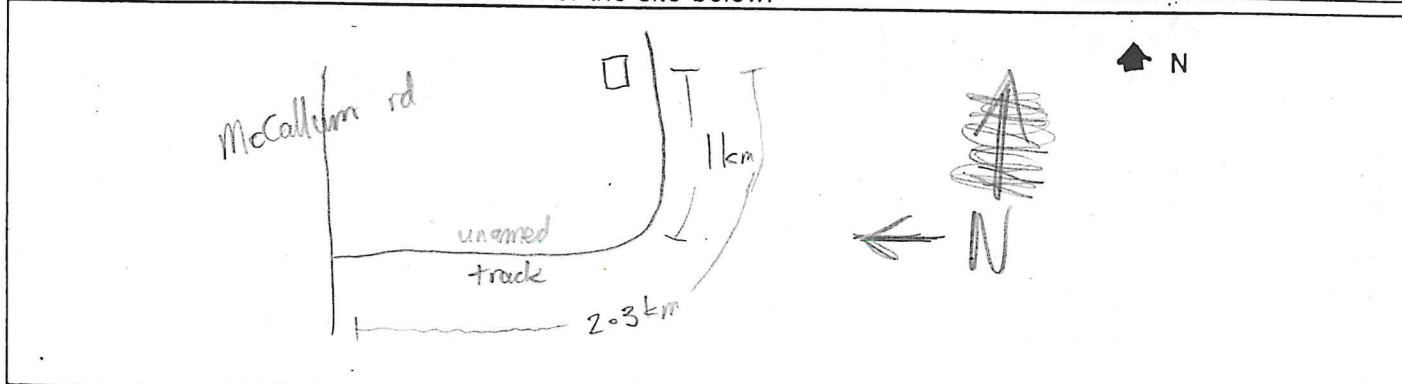
Y042

BUSHLAND AREA Wandoo Cons Park SITE NUMBER Eco 37
 DATE TRIP 2/2/00 RECORDERS AW/IFQ
 DATE TRIP 27-9-2000 RECORDERS AW/NQ/WM/GK
 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.

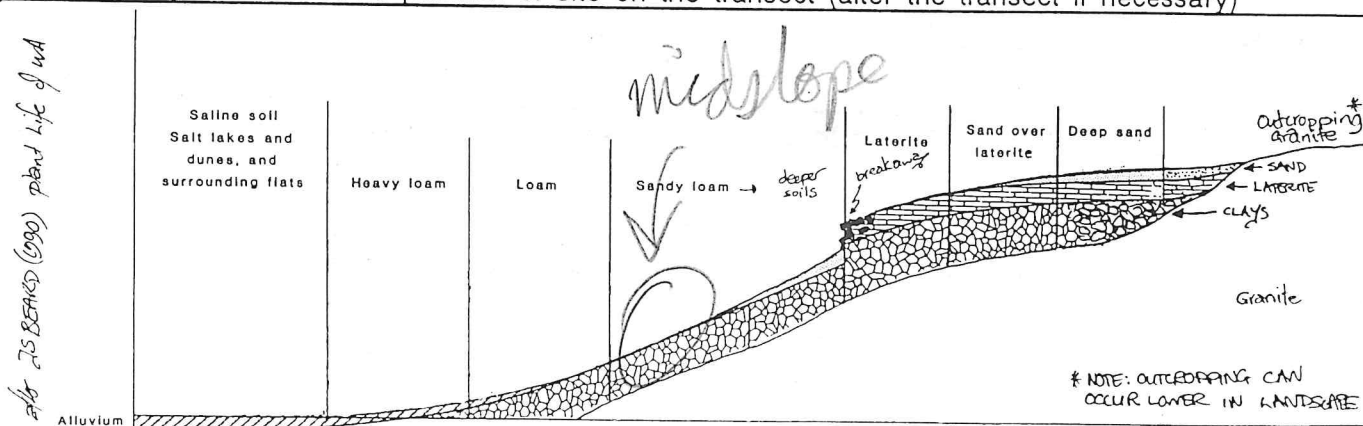


Road Location 2.3 km E along track from McCallum rd junction

Geographic Location Latitude 32° 21' 12.3" S Longitude 116° 29' 27.4" E Altitude _____
 Reference Map _____

Photograph _____ Photographer's Name NQ Photo No 22

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 sand Colour brown

Exposed rock type occasional gravel % surface ~ 0.5-1 cm in diam

Sub-surface Soil Colour _____

Rock type _____ depth to rock _____

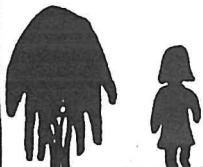
Drainage well mod poor depth water cm Wet all year winter/spring

Litter 20 % cover _____ Bare Ground 50 % cover _____
 Depth 10-15 cm

↳ dead *Hakea trifurcata* remains

3. VEGETATION STRUCTURE AND COVER

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

For each layer record - appropriate life form, cover class (see below) and dominant species					
Cover Class		2-10%	10-30%	30-70%	over 70%
TREES					
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			30-70		
DOMINANT SPECIES			Hakea nitida Allocasuarina Pericalluma	?? Melaleuca	
GRASSES					
	over 0.5m	under 0.5m			
LIFE FORM					
COVER CLASS (%)			30-70	30-70	
DOMINANT SPECIES			Lepidosperma Schoenus	Schoenus Schoenus - (rubens)	

4. VEGETATION CONDITION

Comments

good condition not disturbed

Y042

13-Sep-99

2/2/00

Site	Taxon Name
37	X Allocasuarina humilis
37	X Astroloma compactum not seen
37	X Boronia ramosa
37	X Cassytha sp. 1 <i>glabella</i>
37	X Conostylis (sp. 2 ? <i>pusilla</i> <i>setigera</i>)
37	X Daviesia uniflora
37	X Dryandra armata
37	X Dryandra fraseri
37	X Eucalyptus calophylla <i>40m away</i>
37	X Eucalyptus wandoo
37	X Gastrolobium velutinum
37	X Hakea incrassata
37	X Hakea trifurcata
37	X Hibbertia crassifolia
37	X Isopogon dubius
37	X Isopogon teretifolius
37	X Laxmannia grandiflora
37	X Lechenaultia biloba
37	X Lepidobolus preissianus <i>brunneum</i> (USP)
37	X Lepidosperma angustatum
37	X Lepidosperma tenue
37	X Leptospermum erubescens
37	X Lomandra preissii
37	X Melaleuca scabra <i>subtrigona</i>
37	X Neurachne alopecuroidea
37	X Persoonia quinquenervis
37	X Pimelea ? <i>erecta</i>
37	X Schoenus clandestinus
37	X Schoenus minutulus
37	X Stenanthemum coronatum
37	X Stirlingia simplex
37	X Stylidium brunonianum <i>ssp minor</i>
37	X Stylidium calcaratum
37	X Stylidium sp. 2 <i>pycnostachya</i>
37	X Xanthorrhoea preissii <i>drummondii</i>

✓ Allocasuarina microstachya

✓ Haemod discolor

✓ Nemcia hookeri

Gastrolobium bilobum

✓ Schoenus pleistemoneus

✓ Freziera (~~glaberrima~~)
manglesiodes
ssp manglesiodes

✓ Hamigenia viscida

Haemod laxum

✓ Cryptandra (*nuttans*) *recurva* (USP)✓ Tricoryne ~~elata~~ humilis

Tetroria octandra

✓ Thysanotus tenuis

5. SPECIES PRESCENCE

SITE No Eco 37

Date 2/2/00

- 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 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 Eco 37

Record on Sheet

Date 2/2/00

- 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

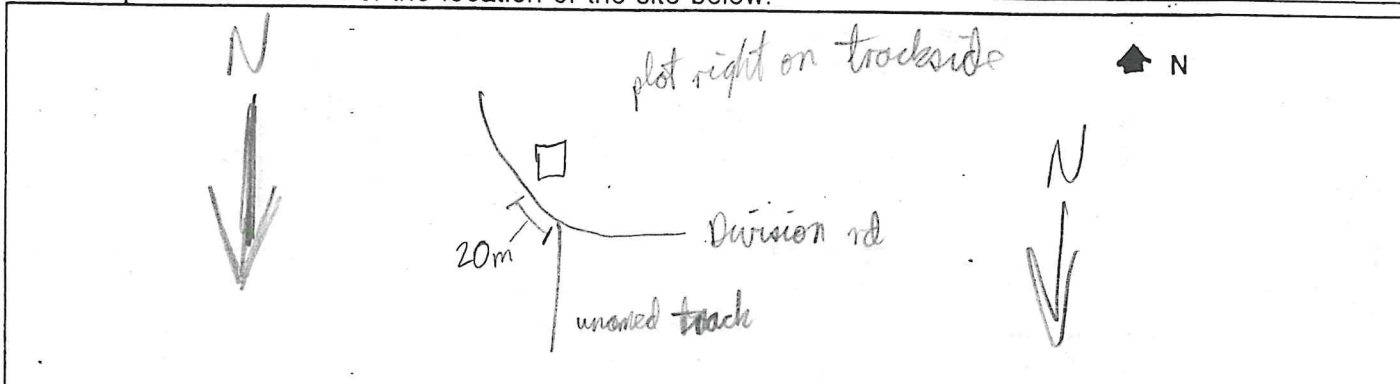
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Wandoo Cons Park SITE NUMBER Eco 38 Y043
 DATE TRIP 2/2/00 RECORDERS AW/FQ
 DATE TRIP 27-9-00 RECORDERS AW/WM/NG/GK
 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.

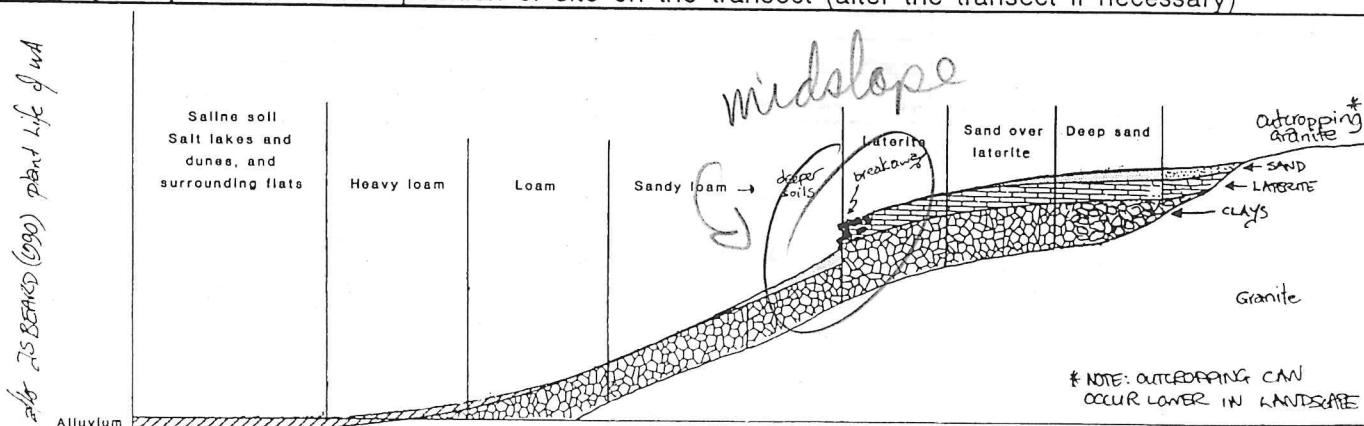


Road Location 20m SE along Division rd from unnamed track junction

Geographic Location Latitude 32° 24' 07.6" S Longitude 116° 31' 48.3" E Altitude _____
 Reference Map _____

Photograph Photographer's Name NG GK 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 flat gentle steep Aspect N NE E SE S SW W NW

Surface Soil loamy gravelly sandy loam Colour brown
 Exposed rock type massive laterite outcrops % surface 50%

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

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

Litter Depth 30 % cover _____ Bare Ground _____ % cover _____
 Depth 2-3 cm

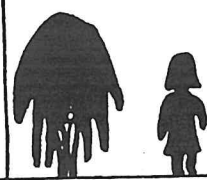
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

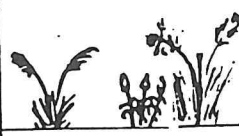
3. VEGETATION STRUCTURE AND COVER

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 (%)		30-70			
DOMINANT SPECIES		<i>Euc. marginata</i> <i>Euc. calophylla</i> <i>Euc. wandoo</i>			

SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			30-70	30-70	
DOMINANT SPECIES		3 nerved leafy one →	<i>Macrozamia communis</i> <i>Acacia eriphylla</i>	<i>Acacia pulchella</i> <i>Hibbertia</i> <i>Boscawna ornata</i>	

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

4. VEGETATION CONDITION

Comments

good condition
 < only one peg others replaced

~~Lepidosperma~~ sp E038 (USP)

Y043

13-Sep-99

Lomandra micrantha ✓
Plecostylis recurva ✓

2/2/00

Site Taxon Name

38 ~~Acacia pulchella~~
38 ~~Bossiaea ornata~~
38 ~~X Conostylis sp. 2 - pusilla~~
38 ~~Craspedia variabilis~~
38 ~~X Dampiera alata~~
38 ~~X Daviesia decurrens~~
38 ~~X Dillwynia sp. 1~~
38 ~~Diplolaena drummondii~~
38 ~~X Dryandra nivea~~
38 ~~Eucalyptus calophylla~~
38 ~~Eucalyptus marginata~~
38 ~~Eucalyptus wandoo~~
38 ~~Gonocarpus benthamii~~
38 ~~Hakea lissocarpa~~
38 ~~Hibbertia hypericoides~~
38 ~~Hibbertia montana comutata~~
38 ~~Hyalosperma cotula~~
38 ~~Kennedia coccinea~~
38 ~~Laxmannia squarrosa~~
38 ~~Lechenaultia biloba~~
38 ~~Lepidosperma tenue~~
38 ~~X Leptomeria (empetriformis)~~
38 ~~Macrozamia riedlei~~
38 ~~Parentucellia latifolia~~
38 ~~Paterersonia rudis~~
38 ~~Pimelea ciliata~~
38 ~~X Scaevola calliptera~~
38 ~~Stackhousia monogyna~~
38 ~~Stylidium caricifolium~~
38 ~~Stylidium ciliatum~~
38 ~~Stylidium schoenoides~~
38 ~~Styphelia tenuiflora~~
38 ~~Tetratheca similis~~
38 ~~Trichocline spathulata~~
38 ~~Trymalium ledifolium~~

Trachyneure pilosa ✓
Acacia nervosa ✓
Aira caryophyll ✓
Indleyana Helidrysum leucop ✓
Bossiaea eriocarpa ✓

Acacia urophylla ✓
Gomphol marginat ✓
Kennedia prostrato ✓
Xanthosia candida ✓
Astroloma pallidum ✓
Lagenifera huegelii ✓
Acacia drummondii ✓
sphaerolobium medium ✓

Gompholob preissii ✓
Lomandra spartea ✓
Acacia barbinervis ✓
Millotia tenuifolia var. tenuifolia ✓
Hydrocotyle callicarpa ✓
Lagenifera huegelii ✓
Caladenia flava ✓
O. Percul vadin ✓

Tetrohena laevis ✓
Synaphaea petiolaris (USP) ✓
Acacia preissiana ✓
Velleia trinervis ✓
Schoenus nanus ✓
Hypochaer glab ✓
Briza minor ✓
Hovea Choryzema ✓

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

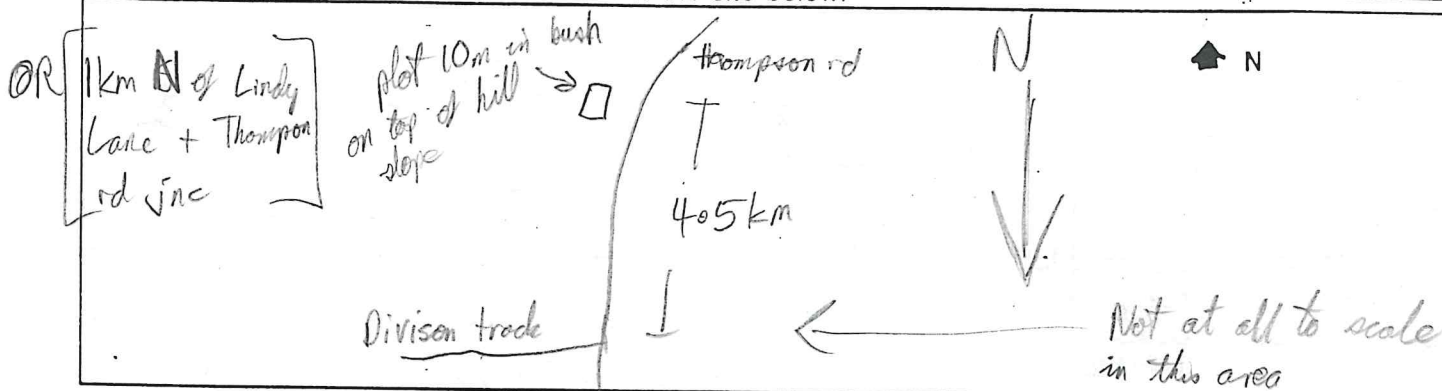
[illegible]

BUSHLAND AREA Wandoo Cons Park SITE NUMBER Eco 40
 DATE TRIP 2/2/00 RECORDERS AW/FQ
 DATE TRIP 27-9-00 RECORDERS AW/WM/NG/GK
 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.

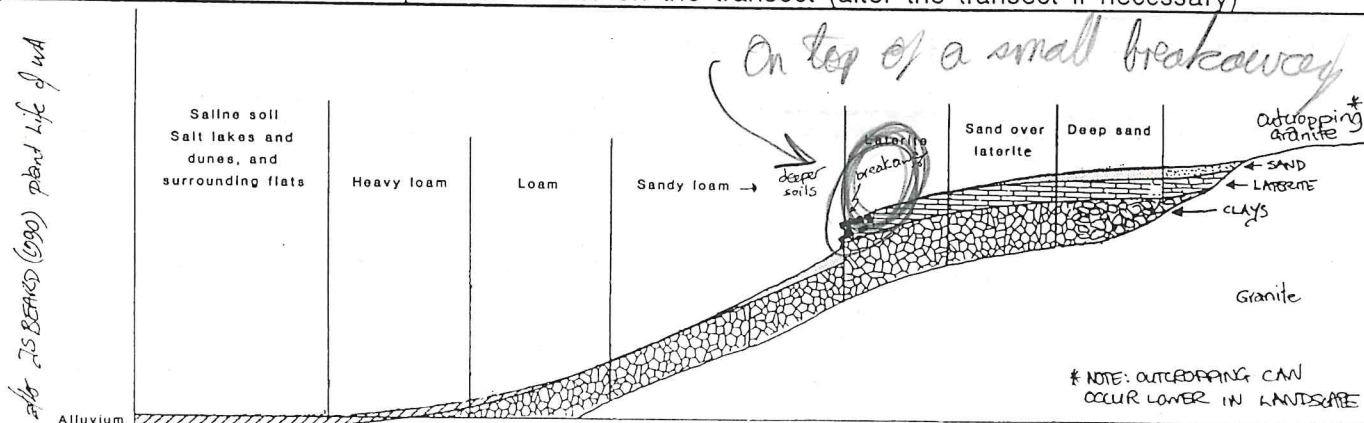


Road Location 4.5 km S on Thompson rd from junction with Division track

Geographic Location Latitude 32° 28' 17.9" S Longitude 116° 34' 27.4" E Altitude _____
 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 Very gentle steep Aspect N NE E SE S SW W NW

Surface Soil gravelly loamy sand Colour brown
 Exposed rock type laterite rocks % surface 1-10 cm in edge

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

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

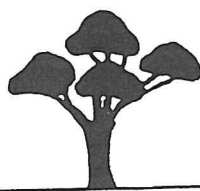
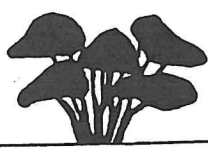
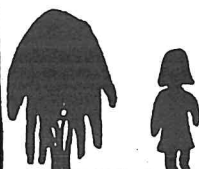
Litter 90 % cover _____
 Depth 4-5 cm Bare Ground _____ % cover _____

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					
COVER CLASS (%)	10-30	10-30			
DOMINANT SPECIES	<i>Euc. accedens</i> (Powder Bark)	<i>Euc. marginata</i> <i>Euc. salophylla</i>			
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					30-70
DOMINANT SPECIES					<i>Hibbertia</i> <i>Bassia viridula</i> <i>Halenia lasiocarpa</i>
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					30-70
DOMINANT SPECIES					<i>Lepidosperma</i> <i>Lepidosperma</i> <i>Mon. Newbery ridge</i>

4. VEGETATION CONDITION

Comments

good condition

Laslopetalum Tadj

Y044

13-Sep-99

exiguum (SHINS 2917)

2/2/00

Site	Taxon Name
40	Acacia barbinervis
40	Acacia sp. 1 ?preissiana/ varia
40	Amphipogon turbinatus
40	Astroloma ciliatum
40	Astroloma compactum
40	Bossiaea ornata
40	Caladenia longicauda
40	Conostylis sp. 2 ?pusilla
40	Dampiera linearis
40	Dillwynia sp. A (PFI)
40	Dryandra bipinnatifida
40	Dryandra carduacea
40	Dryandra nivea lindleyana squarrosa
40	Eucalyptus calophylla ssp sylvestris
40	Eucalyptus marginata
40	Eucalyptus wandoo
40	Gahnia drummondii aristata powderbark (accedens)
40	Gastrolobium villosum
40	Gompholobium capitatum preissii
40	Hakea lissocarpa
40	Hemiandra pungens
40	Hibbertia furfuracea
40	Hibbertia hypericoides
40	Laxmannia squarrosa
40	Lechenaultia biloba
40	Lepidosperma angustatum
40	Lepidosperma tenue gracile leptostachyum
40	Lomandra sparteae
40	Loxocarya fasciculata Desmocl. asper
40	Monotaxis grandiflora
40	Neurachne alopecuroidea
40	Patersonia babianoides
40	Patersonia pygmaea
40	Patersonia rudis
40	Petrophile striata
40	Pimelea sulphurea
40	Ptilotus sp. 1
40	Stackhousia scoparia
40	Stylidium ciliatum (hispidum)
40	Stylidium schoenoides
40	Styphelia tenuiflora
40	Thysanotus thyrsoideus
40	Tricoryne humilis

Billardiera sp

Thelymitra

✓ Aerea chorizemif

tetraria octandra

styp glauca

✓ Agrostocrinum stypanoides

✓ Trimalium ledif rosmariin

✓ Desmocl fascic

Drosera pallida

✓ Conostylis serrulata

Helicrysis leucop

✓ Lom hermaphrod

Xanthosia candidula

Thysanotus patersonii

✓ Tetraria capill

Chaemasc corymb var latif

Laxmann omnif

Drosera erythrorhiz

Acacia

Marganma riecklei

4044

same

Record on Sheet

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

27-9-00

TREES				SHRUBS (cont.)				HERBS (cont.)			
No	FI	ID		No	FI	ID		No	FI	ID	
			✓ <i>Euc. marginata</i>	✓			<i>Scand. Dampiera linearis</i>	✓			
			<i>Euc. calophylla</i>				<i>Macrozamia redlei</i>				
			<i>Euc. occidentalis</i> (parallel trunk)	✓			<i>Eucalyptus</i> seedling - left to grow	✓			
				✓			<i>Acacia preissiana</i>	✓			
				✓			<i>Monotaxis grandiflora</i>	✓			
MALLEES				GRASSES							
SHRUBS											
✓			<i>Petrophile striata</i>	✓			<i>Danthonia</i>				
✓			<i>Hibbertia</i> sp. ± <i>polystachya</i>	✓			<i>Neurochne slopacuodina</i>				
			<i>Boerhaavia arnata</i>	✓			Other grass				
			<i>Halea limscarpa</i>				✓ <i>Amphipogon debilis</i> ???	✓			SEDGES
✓			<i>Dryandra lindleyi</i>	✓			✓ <i>Amphipogon turbinatus</i>	✓			✓ <i>Lepidosperma</i> ^{gracile} sp. ±
✓			<i>Gastrolobium villosum</i>	✓							✓ <i>Dalmancladus fasciculatus</i>
✓			<i>Tymalium leditolum</i>	✓							grassy looking miter
✓			<i>Dryandra squarrosa</i> ssp. <i>squarrosa</i>	✓			HERBS				not flowering sedge
✓			<i>Styphelia tenuiflora</i>	✓			✓ <i>Palersonia</i>				Lepidosperma ^{??}
✓			<i>Conostylis</i> sp. <i>pusilla</i>	✓			✓ <i>Stylidium hispidum</i> ???	✓			✓ <i>Tetraria capillaris</i>
✓			<i>Lechenaultia</i>				brushy leaf thing - Lycopodium ??				✓ <i>Cohnia aristata</i>
✓			<i>Astroloma compactum</i>	✓			tall grassy thing - ?? sp...	✓			
			<i>Dryandra bipinnatifida</i>								
			<i>Marranthus</i> - veging - not cal!				✓ <i>Lomandra</i> surveolens	✓			
			Leptosiphon				hermaphrod...				
			small thing - no id								
			<i>Caesia</i>								
✓			<i>Howea chorizemifolia</i>	✓							
✓			<i>Hibbertia hypericoides</i>								
✓			<i>Acacia</i> - sp. - is	✓							

→ Darbinger

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

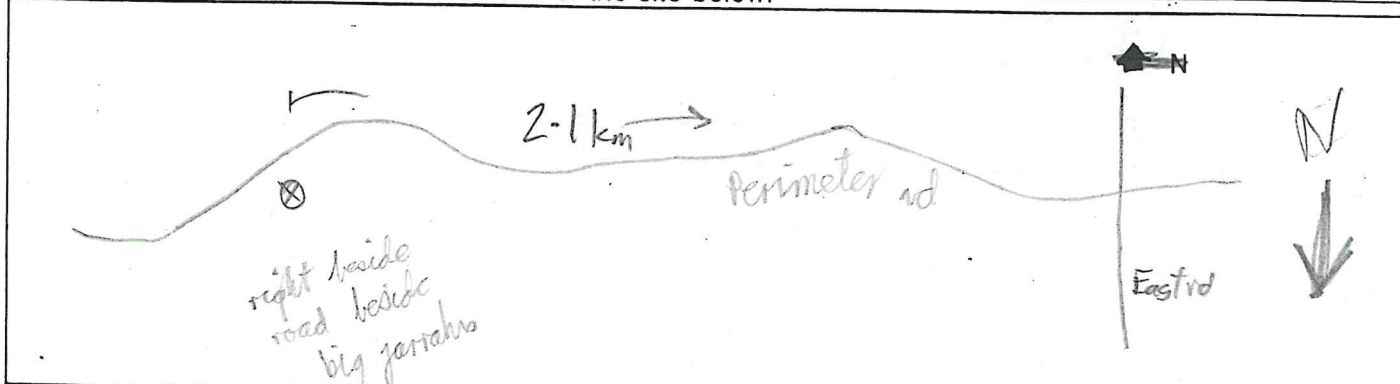
Y015

BUSHLAND AREA 9/3/00 SITE NUMBER Eco 44
 DATE TRIP 27-9-00 RECORDERS AW/FQ
 DATE TRIP 27-9-00 RECORDERS AW/WM/NG/GK
 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.

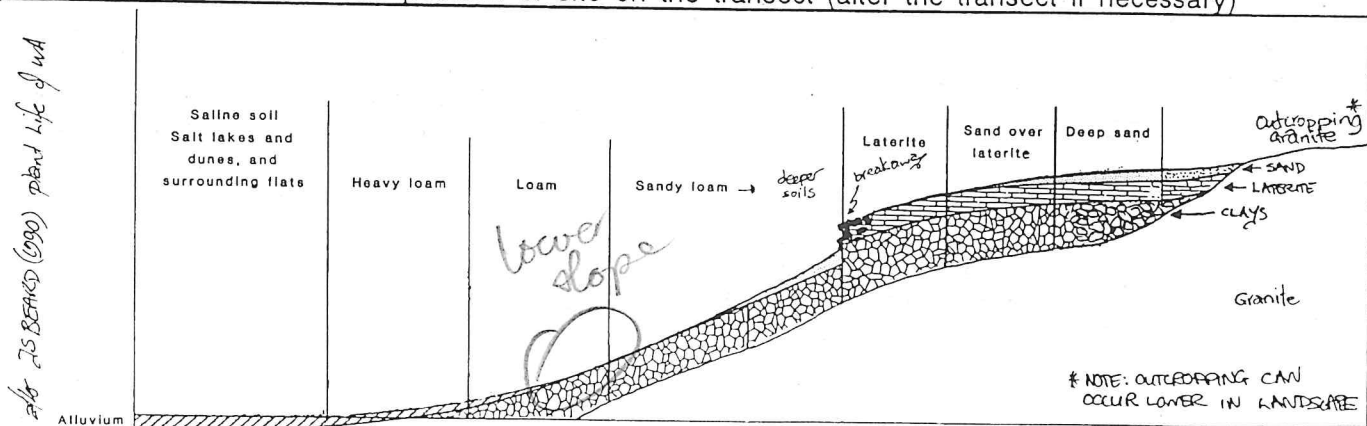


Road Location Perimeter rd N side at 2.1 km E of East rd jnc

Geographic Location Latitude 32° 27' 21.9" S Longitude 116° 41' 44.6" E Altitude
 Reference Map

Photograph Photographer's Name NG GK 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 steep Aspect N NE E SE S SW W NW

Surface Soil fine, gravelly, sandy loam Colour 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

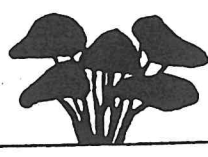
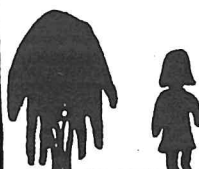
Litter ~ 70 % cover
4-5 Depth cm
 Bare Ground ~ 15 % cover

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%

LIFE FORM	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
					
COVER CLASS (%)	2-10				
DOMINANT SPECIES	Euc. nigra Euc. cal. - ADT				
LIFE FORM	SHRUBS				SHRUBS
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
					
COVER CLASS (%)	30-70			30-70	
DOMINANT SPECIES	Dryandra			Leptospermum Samolus ericaceus Hakea lissocarpa	
LIFE FORM	GRASSES	HERBS	SEDGES	SEDGES	
				over 0.5m	under 0.5m
					
COVER CLASS (%)					10-30
DOMINANT SPECIES					Leptospermum

4. VEGETATION CONDITION

Comments

good condition

Y045

13-Sep-99

27/4/00

9/3/00

Site	Taxon Name
44	Acacia pulchella
44	Acacia willdenowiana
44	Anarthria gracilis
44	Astroloma pallidum
44	Bossiaea eriocarpa
44	Burnettia nigricans
44	Caladenia flava
44	Conostylis (sp. 2 ?pusilla)
44	Dampiera alata
44	Dampiera linearis
44	Danthonia caespitosa
44	Daviesia decurrens
44	Dryandra carduacea
44	Dryandra nivea lindleyana
44	Dryandra sessilis
44	Eucalyptus calophylla
44	Eucalyptus marginata
44	Gompholobium capitatum
44	Hibbertia montana communis
44	Hypochaeris glabra
44	Lagenifera huegelii
44	Lepidobolus preissianus
44	Lepidosperma angustatum
44	Leptospermum erubescens
44	Lomandra integra
44	Lomandra maritima hermaphrodita
44	Loxocarya flexuosa Desmodadus asper
44	Macrozamia riedlei
44	Neurachne alopecuroidea
44	Opercularia vaginata
44	Petrophile striata
44	Phyllanthus calycinus
44	Ptilotus drummondii
44	Stackhousia monogyna
44	Stylidium ciliatum
44	Thysanotus patersonii
44	Trachymene cyanopetala
44	Trachymene pilosa

Danthonia

Stipa trichoph

pusilla

✓ Dry squarrosa squarrosa

// Lepidosperma leptostachyum

USP

Bossiaea ornata

✓ Adenanthos cygnarum

Lomandra spartea

Baronia ramosa

Hakea lissocarpha

✓ Stylidium calcarat

Dianella revoluta

Drasera macrantha

✓ Gomphol margin

✓ Millotia tenuifolia var. tenuifolia

Chaemascilla corymb v. cory

Vulpia myuros

✓ Schoenus nanus

Wahlenbergia gracil

Pterochaeta panicul

Aira caryophyll

Lomandra micrantha

Kennechia prst

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No Eco 414
 Date 9/3/00
27-9-00

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

Record on Sheet

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Eucalyptus calophylla</i> - seedling in				<i>Big ones #105</i>							
<i>Eucalyptus marginata</i>				✓ <i>Operecularia vaginata</i>							
				✓ <i>Conostylis pumila</i>							
MALLEES											
				GRASSES							
				<i>Dianella revoluta</i>	✓						
				<i>Neurachne alopecuroides</i>	✓						
SHRUBS				<i>Austroanthoxia</i>	✓						
<i>Eucalyptus</i>				<i>Big grass</i>	✓						
<i>Phyllanthus calycinus</i>	✓							SEDGES			
<i>Bassia eriocarpa</i>	✓							<i>Lepidosperma gracile</i>	✓		
<i>Hakea lisocarpa</i>	✓							<i>Pectis</i>			
✓ <i>Gompholobium marginatum</i>	✓							<i>Pectis</i>			
				HERBS				<i>Pectis</i>			
✓ <i>Dryandra squarrosa</i> ssp. <i>squarrosa</i>	✓							<i>Pectis</i> #3			
✓ <i>Dryandra nivea</i> -???	✓			<i>lind. 2000</i>				<i>Desmodium flexuosus</i> -??	✓		
<i>Conostylis</i>								✓ <i>Lepidobolus preissianus</i>	✓		
✓ <i>Hibbertia</i> sp. #1	✓										
✓ <i>Daveya decurrens</i> -???	✓										
✓ <i>Petrophile striata</i> -??	✓										
✓ <i>Astroloma pallidum</i>	✓										
✓ <i>Leptospermum erubescens</i>	✓										
✓ <i>Acacia pulchella</i>	✓										
✓ <i>Adenanthos cygnorum</i> ssp. <i>cygnorum</i>	✓										
<i>Bassia ornata</i>	✓										
✓ <i>Hovea chorizemifolia</i>	✓										
<i>Dryandra sessilis</i>	✓										

Y045

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

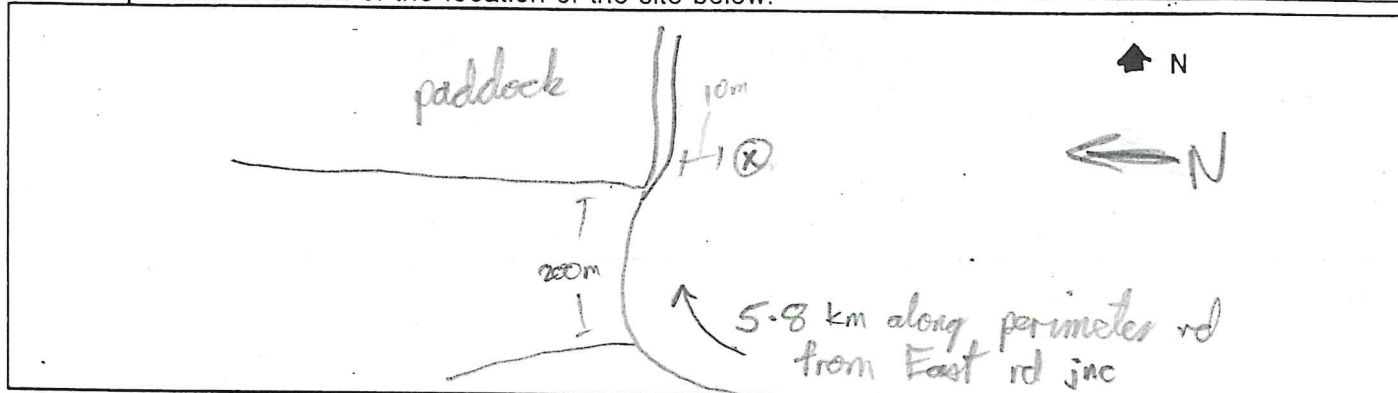
Y046

BUSHLAND AREA _____ SITE NUMBER Eco 45
 DATE TRIP 9/3/00 RECORDERS AW/PO
 DATE TRIP 27-9-00 RECORDERS AW/NG/WM/GK
 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.

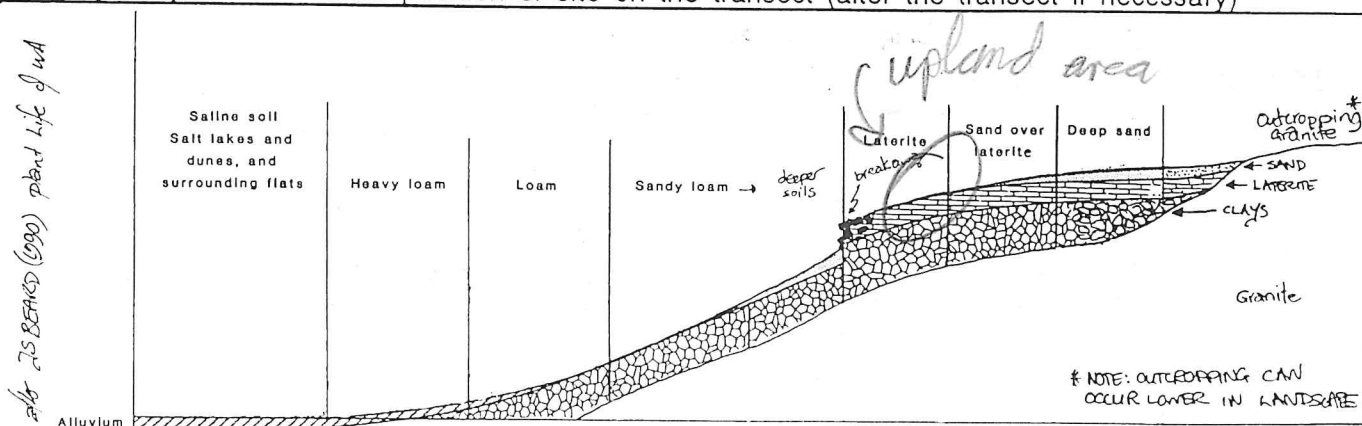
Mud Map Draw a sketch of the location of the site below.



Road Location Perimeter rd.

Geographic Location	Latitude	S Longitude	E Altitude
Reference Map	<u>32 26 44</u>	<u>116 43</u>	<u>504</u>
Photograph	Photographer's Name <u>GK</u>	Photo No <u>10/11</u>	<u>208</u>

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



2. SITE DATA Circle the correct response.

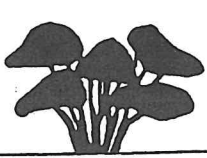
Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	<u>SE</u>	S	SW	W	NW
Surface Soil	<u>gravelly sandy loam</u>							Colour	<u>brown</u>			
Exposed rock	<u>type laterite</u>							<u>5</u> % surface	<u>5-10cm in size</u>			
Sub-surface Soil	<u>massive laterite</u>							Colour				
Rock	<u>type</u>							depth to rock				
Drainage	well	mod	poor	depth water	cm	Wet	all year	winter/spring				
Litter	<u>90</u>							% cover				
<u>4-7cm</u> Depth								cm				
Bare Ground	<u>—</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					
COVER CLASS (%)	ADJ	2-10			
DOMINANT SPECIES	<i>Euc. mang.</i> <i>Euc. wandoo</i> <i>Euc. acedens</i>	<i>Euc. cal.</i>			
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		30-70			
DOMINANT SPECIES		<i>Gastrolobium</i> <i>Nerica</i>			
GRASSES		HERBS	SEDGES		
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)				10-30	
DOMINANT SPECIES				<i>Gahnia</i> <i>Lepidosperma</i>	

4. VEGETATION CONDITION

Comments

good, litter heavy
some storm damage

13-Sep-99

Y046

27/9/00
9/3/00

Site	Taxon Name
45	Acacia drummondii
45	Bossiaea ornata
45	Dampiera lavandulacea
45	Dampiera linearis
45	Daviesia decurrens
45	Diuris longifolia
45	Eucalyptus accedens
45	Eucalyptus calophylla
45	Eucalyptus marginata
45	Eucalyptus wandoo
45	Gahnia drummondii <i>australis</i> (VSP)
45	Gastrolobium parviflorum
45	Gompholobium capitatum
45	Lechenaultia biloba
45	Lepidosperma angustatum <i>argemuthum</i>
45	Lepidosperma leptophyllum <i>pubispermum</i> (VSP)
45	Lepidosperma tenue
45	Lomandra brittanii
45	Lomandra spartea
45	Nemcia hookeri
45	Neurachne alopecuroidea
45	Petrophile striata
45	Pterostylis spl..
45	Stylidium calcaratum
45	Stylidium caricifolium
45	Stylidium ciliatum
45	Thysanotus patersonii
45	Xanthosia tomentosa

✓ *Pterostylis* ~~rufa~~ *Sargentii*

Astroloma comp

Pimelea suaveol

Caladenia glava

✓ *Calochilus* *att. robertsonii*

Hareia choriz

Bossiaea erioc

Desmod *fasicul*

Tricoryne elatior

SITE No Eco 45
Date 9/3/00
37-9-00

- 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

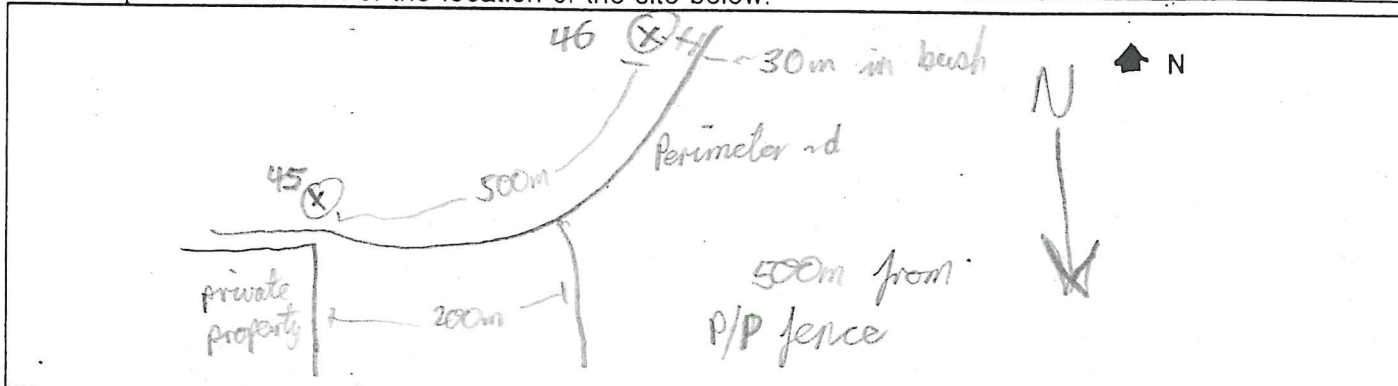
Y047

BUSHLAND AREA _____ SITE NUMBER Eco 46
 DATE TRIP 9/3/00 RECORDERS AW/FO
 DATE TRIP 27-9-00 RECORDERS AW/WM/NG/GK
 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.

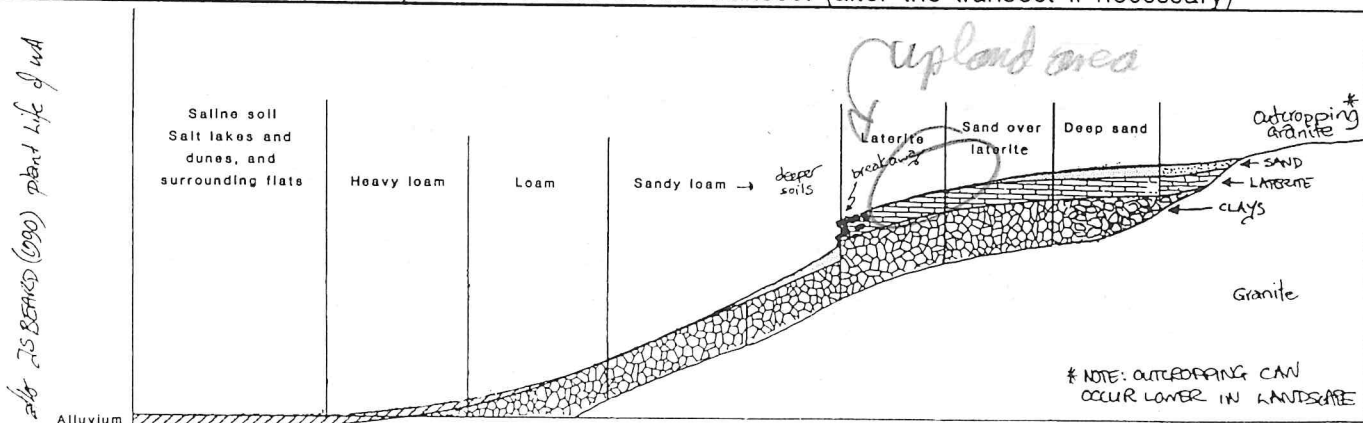
Mud Map Draw a sketch of the location of the site below.



Road Location Perimeter rd

Geographic Location	Latitude	S Longitude	E Altitude
Reference Map	<u>32 26 42.4</u>	<u>116 43</u>	<u>39.0 206</u>
Photograph	Photographer's Name <u>GK</u>	Photo No <u>11</u>	

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



2. SITE DATA Circle the correct response.

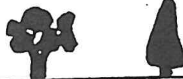
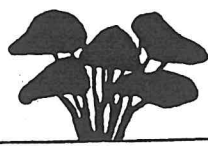
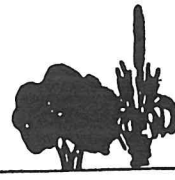
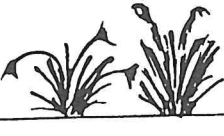
Slope	<u>flat</u> gentle steep	Aspect	N NE E SE S SW W NW
Surface Soil	<u>gravelly sandy loam / gravelly sand almost</u>	Colour	<u>brown</u>
Exposed rock	type _____ % surface _____		
Sub-surface Soil	Colour _____		
Rock	type _____ depth to rock _____		
Drainage	well mod poor depth water	cm	Wet all year winter/spring
Litter	<u>4-5</u> Depth <u>~50</u> % cover _____	Bare Ground	<u>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					
COVER CLASS (%)	ADJ	2-10	2-10		
DOMINANT SPECIES	<i>Euc accedens</i> <i>Euc marg</i>	<i>Euc accedens</i>	<i>Euc marg</i> <i>Euc accedens</i>		
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				30-70	
DOMINANT SPECIES				<i>D. armata</i> <i>Melaleuca</i> <i>H. baxteri</i>	
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					2-10
DOMINANT SPECIES					<i>Gahnia</i> <i>Lepidosperma</i>

4. VEGETATION CONDITION

Comments

good condition

13-Sep-99

Site Taxon Name

- 46 ~~Astroloma compactum~~
- 46 ~~Astroloma pallidum~~
- 46 ~~Bossiaea ornata~~
- 46 ~~Caladenia flava~~
- 46 ~~Conostylis (sp.2 ?pusilla) - setigera~~
- 46 ~~Dampiera lavandulacea~~
- 46 ~~Dampiera linearis~~
- 46 ~~Daviesia decurrens~~
- 46 ~~Daviesia preissii~~
- 46 ~~Dryandra armata~~
- 46 ~~Dryandra sessilis~~
- 46 ~~Eucalyptus marginata~~
- 46 ~~Eucalyptus wandoo accedens~~
- 46 ~~Gahnia drummondii australis (V&D)~~
- 46 ~~Glischrocaryon aureum~~
- 46 ~~Grevillea tenuiflora monticola~~
- 46 ~~Hakea lissocarpa~~
- 46 ~~Hibbertia exasperata~~ long way west
- 46 ~~Isopogon dubius~~
- 46 ~~Lechenaultia biloba~~
- 46 ~~Lepidosperma leptophyllum~~ ? leptostachyum
- 46 ~~Lomandra integra~~ ✓ Lom nutans
- 46 ~~Lomandra sparteae~~
- 46 ~~Melaleuca tuberculata~~
- 46 ~~Monotaxis grandiflora~~
- 46 ~~Persoonia quinquenervis~~
- 46 ~~Poranthera microphylla~~
- 46 ~~Pterochaeta paniculata~~
- 46 ~~Pultenaea pauciflora~~
- 46 ~~Stylidium sp.3~~

Tetraria octandra

Lomandra nutans

✓ ✓ Conostylis carinica ssp. carinica

✓ Styphelia tenuiflora

Pterochaeta pannic

Levenhookia pusilla

Blennospora drum

Amphipogon

Tricoryne elatior

Neurachne alopec

Stylid brunon ssp minor

✓ Drosera macrantha sp. macrantha

✓ Leptosperma sp. "E046"

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20720

5. SPECIES PRESENCE

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

SITE No Eco 46

Record on Sheet

Date 9/3/00

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

Sample

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Euc. marginata</i>				<i>Grevillea monticola</i> not coll							
<i>Euc. accedens</i> not coll				<i>Banksia ornata</i>							
				<i>Marrubium</i> sp. ✓	✓						
				<i>Scaevola</i> not coll							
				<i>Daviesia benthamii</i> sp. benthamii ✓	✓			<i>weissii</i>			
MALLEES				<i>Hibbertia</i> #2							
				<i>Hibbertia</i> #3							
				GRASSES							
				<i>Neurochne alopecuroides</i>							
SHRUBS				<i>Leschenaultia biloba</i>							
<i>Dryandra sessilis</i>								SEDGES			
<i>Dryandra ? armata</i> ✓	✓							<i>Lepidosperma</i> sp. ✓			
<i>Melaleuca tuberculata</i> ✓	✓							<i>Gahnia australis</i> -???	✓		
<i>Astroloma compactum</i> -? ✓	✓										
<i>Leucopogon</i>				HERBS				<i>Lomandra sp.</i>			
<i>Persea quinquevallis</i> ✓	✓			<i>Cassia</i> sterile not coll				<i>Lomandra spartea</i> ✓			
<i>Hovea chorizemifolia</i> ✓	✓			<i>Stylidium</i> not coll				<i>Lomandra nutans</i>			
<i>Hibbertia</i> sp. #2 exasperata (Vsp) ✓	✓										
<i>Pultenaea pauciflora</i> ✓	✓										
<i>Hovea trisperma</i> -?? ✓	✓			<i>Labi. panic.</i> ?							
<i>Hovea elliptica</i> #2 ✓	✓										
<i>Daviesia decurrens</i> -? ✓	✓										
<i>Conostylis</i>											
<i>Isopogon dubius</i> ✓	✓										
<i>Hakea lasiocarpa</i>											
<i>Dampiera laevigata</i> -?? ✓	✓										
<i>Styphelia tenuiflora</i> ✓	✓										

Y04

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

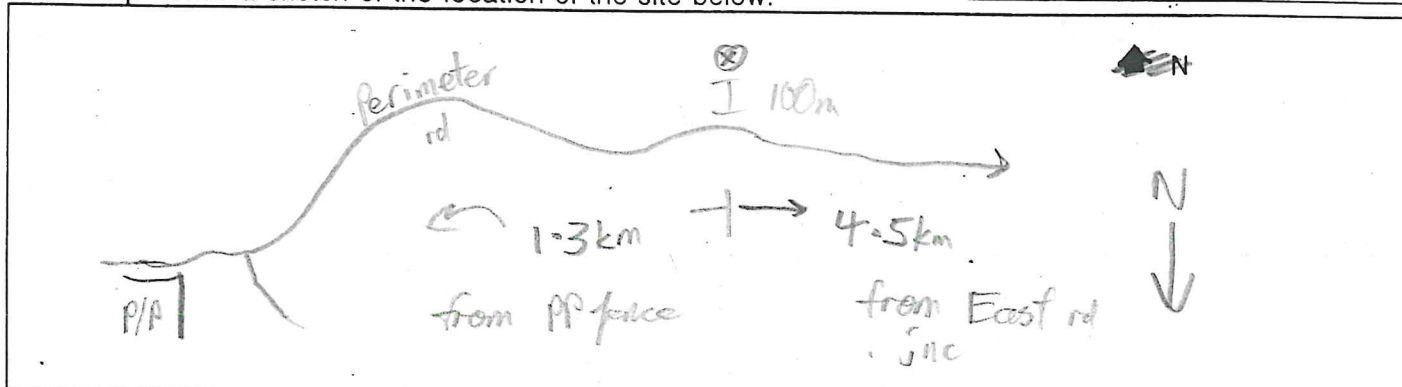
Y043

BUSHLAND AREA 9/3/00 SITE NUMBER Eco 47
 DATE TRIP 27-9-00 RECORDERS AW/FO
 DATE TRIP 27-9-00 RECORDERS AW/WM/NG/GK
 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.

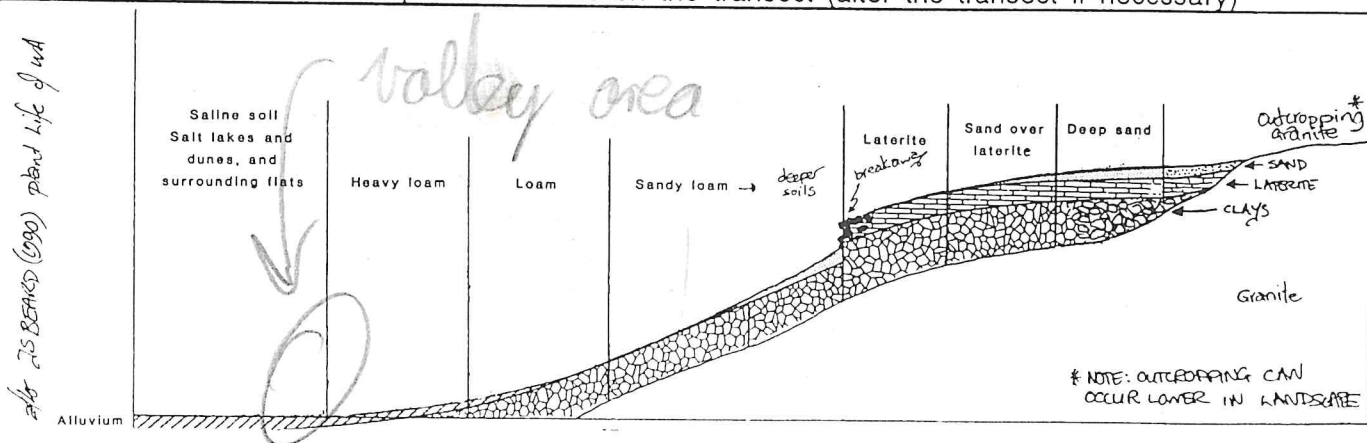


Road Location Perimeter rd.

Geographic Location	Latitude	S Longitude	E Altitude
Reference Map	32 27 05.1	116 43 10.8	Pp 2.9

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 silty sandy clay Colour brown
 Exposed rock type % surface

Sub-surface Soil Colour
 Rock type depth to rock

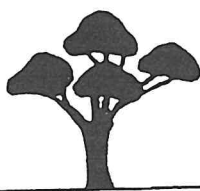
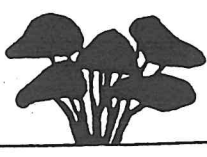
Drainage well mod poor depth water cm Wet all year winter/spring

Litter 2-3 Depth 90 % cover cm
 Bare Ground %cover

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	10-30				
DOMINANT SPECIES	Euc. wandoo				
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				30-70	
DOMINANT SPECIES				Hakea lasiocarpa	
				Nemcia	
				Oreocarya	
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		70 +			
DOMINANT SPECIES		mixed			

4. VEGETATION CONDITION

Comments

good cond.

Y048

13-Sep-99

9/13/00

Site	Taxon Name	
47	Acacia pulchella	
47	Aira caryophyllea	
47	Alphelia sp.1	
47	Astroloma compactum	
47	Astroloma epacridis	
47	Borya sphaerocephala	laricina
47	Bossiaea eriocarpa	Gomph. margin
47	Briza minor	
47	Caesia micrantha	
47	Caladenia flava	
47	Centrolepis drummondiana	
47	Chamaescilla corymbosa var lat	Helicrysum leucopsid
47	Conostylis (sp.2 ?pusilla setig	
47	Craspedia sp. nov.	Aira caryophyll
47	Craspedia variabilis	
47	Danthonia caespitosa	Ptil. declin
47	Daucus glochidiatus	
47	Daviesia decurrens	
47	Drosera leucoblasta	
47	Drosera menziesii	
47	Dryandra nivea Lindleyana	Aphelia cyperoides
47	Elythranthera emarginata	
47	Eryngium pinnatifidum (Wandoo)	Centrol. drumm
47	Eryngium rostratum	
47	Eucalyptus wandoo	Targh. humile
47	Galium murale	
47	Gastrolobium calycinum	
47	(Goodenia sp.1 = ?Vellera)	
47	Haemodorum simplex	
47	Hakea lissocarpa	
47	Hibbertia montana commutata	
47	Homalosciadium homalocarpum	
47	Hyalosperma cotula	
47	Hyalosperma sp.1	
47	Hypochaeris glabra	
47	Hypoxis occidentalis	
47	Lagenifera huegelii	
47	Lepidosperma gracile	
47	Lepidosperma tenue	
47	Levenhookia preissii stipitata	
47	Lexocarya flexuosa Desm. asp	
47	Nemcia hookeri	
47	Neurachne alopecuroidea	
47	Opercularia vaginata	
47	Parentucellia latifolia	
47	Podolepis lessonii	
47	Quinetia urvillei	
47	Schoenus clandestinus	
47	Siloxerus filifolius	
47	Sowerbaea laxiflora	
47	Stipa plumigera	
47	Stylidium calcaratum	

Rhodanthe laevis

Dros glandul

Briza minor

Aphelia drumm

M. H. I. , A . . .

✓ Rhod. citrina

Ptilotus mangl

Bossiaea eriocarpa

✓ Schoenus unisp

13-Sep-99

9/3/00

Y048

Site	Taxon Name
47	Stylidium caricifolium
47	Stylidium sp.2
47	Stylidium uniflorum
47	Trachymene cyanopetala
47	Trachymene pilosa
47	Ursinia anthemoides

Thysanotus tenellus

Leptoceras menz

Rutidosia multifl

Ophiogloss coriaceum

Wartzia suave

Vellera trinervis

Stylid. calcaratum

Tribonanthus longipetala

20×20

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

Record on Sheet

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

Alloc. kuez

• Column 4 Identification check											
TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc wandoo	✓			✓ Opercularia vaginata	✓						
				✓ Lathyrus Eutaxia microphylla	✓						
				✓ Hibbertia sp. #2	✓						
MALLEES				conculata (sterile)							
				GRASSES							
				Neurachne sloper							
SHRUBS								SEDGES			
Hakea linearis	✓							Dactyloctenium			
Nemcia hookeri	✓							Desmodium flexuosus	✓		
✓ Dryandra lindleyi	✓							circa	✓		
nivea - ???	✓			HERBS							
✓ Acacia pulchella	✓			herbs but all dead now							
✓ Gastrolobium calycinum	✓			↓							
rhaibii - podex	✓										
✓ H. bertia polystachya - ?	✓										
✓ Bassia eriocarpa	✓			✓ Trachymene pilosa							
✓ Astraloma compactum	✓			✓ Aphelia trigula							
Mariannthus	✓			✓ Drosera menziesii ssp. menziesii							
(seedling not coll)				✓ Triglochin calcitrapum ssp. recurvum (JST)							
Ceratophyllum											

2604

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA Wandoo Cons Park SITE NUMBER ECO 49

Y049

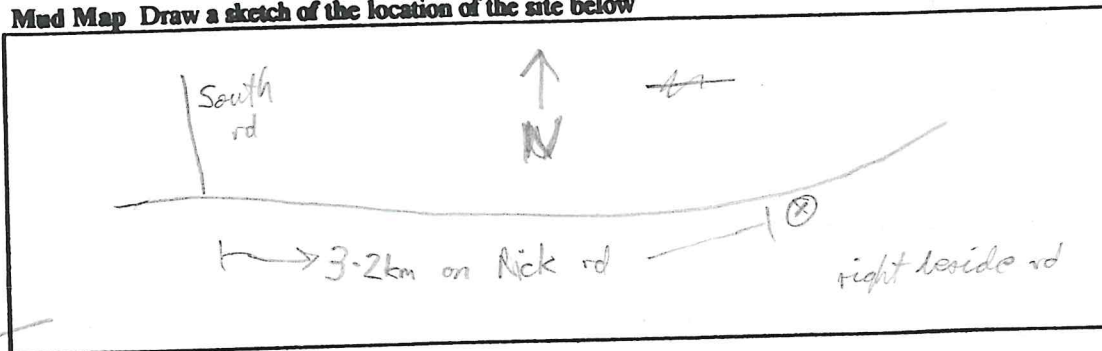
DATE TRIP 16/3/00 RECORDERS AW/FQ

DATE TRIP 27-9-00 RECORDERS AW/WM/NG/gk

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location Nick rd.

Geographic Location Latitude 32° 33' 53.9" S Longitude 116° 38' 30.9" E Altitude _____
GPS Accuracy _____
Map Sheet _____

Photograph Name NG Number 15

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

2. SITE DATA Circle the correct response

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

Surface Soil gravelly sandy clay loam Depth to Rock _____ Colour brown

Exposed Rock type granite & laterite gravel % surface cover _____ size range _____

Litter - 20-30 % surface cover 1-2cm Depth (cm) _____

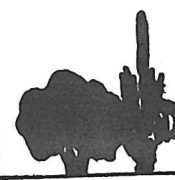
Bare Ground 2 % surface cover _____

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

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

3. VEGETATION STRUCTURE AND COVER

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

Cover Class					
2-10%		10-30%		30-70%	
TREES					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM			 		
COVER CLASS (%)	ADT				
DOMINANT SPECIES	Euc wandoo				
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 				
COVER CLASS (%)		30-70		30-70	
DOMINANT SPECIES		Hakea trifurcata Allocasuarina		Dryandra Hypocalymma	
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM	 	 	 	 	
COVER CLASS (%)					
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

good condition

Melaleuca tuberculata 27/9 — not on sheet

13-Sep-99

16/3/00
27/9/00

Y049

Site	Taxon Name	
49	Acacia drummondii	
49	Acacia nervosa	✓ Chaenase ^{versicolor} serpens var latif
49	Acacia pulchella	
49	Acacia stenoptera	
49	Allocasuarina humilis	✓ Porange ^{? Jacar} ✓ Chorizema aciculare
49	Amphipogon strictus	
49	Astroloma compactum	
49	Billardiera sp.1	see Andrews Chier
49	Conostylis sp.2 ?pusilla	(setigera)
49	Dillwynia sp.1	✓ emerscens (sp A)
49	Drosera leucoblasta	
49	Dryandra armata	
49	Eucalyptus wandoo	Triptococc bruno
49	Gompholobium marginatum	
49	Hakea trifurcata	
49	Hibbertia crassifolia	
49	Hibbertia montana	commutata
49	Hyalosperma cotula	✓ Xanthos huegel
49	Hypocalymma angustifolium	
49	Isolepis marginata	
49	Laxmannia grandiflora	omnifertilis ✓ Davies decurrens
49	Lechenaultia biloba	
49	Lepidosperma leptophyllum	pubisquamatum Haemodorum sp
49	Lomandra micrantha	
49	Neurachne alopecuroidea	
49	Opercularia vaginata	✓ Hydrocotyle callic
49	Pseudanthus virgatus	
49	Pterochaeta paniculata	✓ Millotia tenuifolia var. tenuifolia
49	Pultenaea sp.1	
49	Sch... sp2..	Dampiera linearis
49	Stenanthemum coronatum	
49	Stylidium calcaratum	
49	Stylidium piliferum	
49	Tetraria octandra	✓ Caladenia macrostyl
49	Tetratheca nuda virgata	Trichocline spathul
49	Thelymitra crinita	
49	Trymalium ledifolium	
	✓ Drosera macrantha	
	— " pulchella	
	Lagenifera huegelii	
	Thysanotus paterson	
	Baeckea camp	
	✓ Laxmannia squarrosa	
	✓ Cryptand (#2) notus	
	Patersonia juncea	
	✓ Lagenifera huegelii	
		✓ Velleia trinervis
		✓ Hybanthus florib
		Stackhousia monogy
		Stypandra imbric
		Lomandra suae
		✓ Templetania drumm
		✓ Lagenifera huegelii

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

Y050

BUSHLAND AREA Wandoo Cons Park SITE NUMBER ECO 50

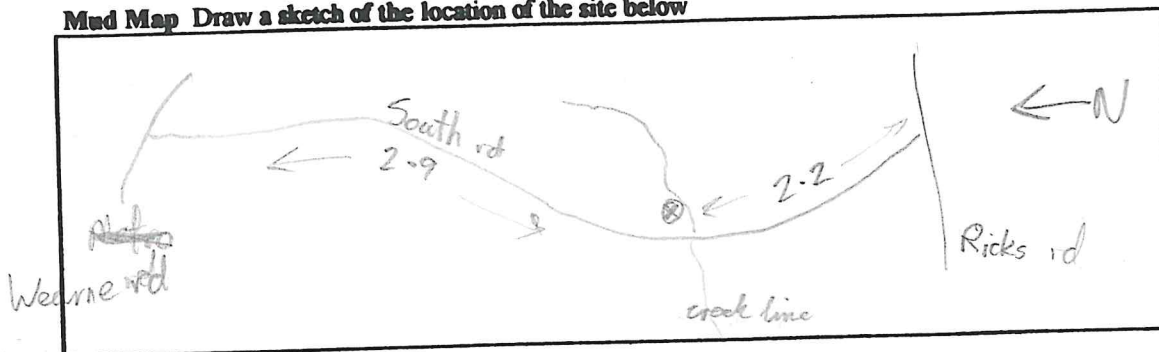
DATE TRIP 16/3/00 RECORDERS AW/FQ

DATE TRIP 27-9-00 RECORDERS AW/WM/GK/NG

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location South rd

Geographic Location Latitude 32° 33' 11" S Longitude 116° 36' 11" E Altitude _____
GPS Map Sheet _____

Photograph Name NG Number 16

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

2. SITE DATA Circle the correct response

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

Surface Soil silt Depth to Rock _____ Colour grey

Exposed Rock type _____ % surface cover _____ size range _____

Litter ~60 % surface cover 1cm Depth (cm) _____

Bare Ground 1 % surface cover _____

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

only 1 peg left, rest replaced best as

dead
herb layer
hard to really
get idea

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

3. VEGETATION STRUCTURE AND COVER

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

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

LIFE FORM	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
			 		
	ADJ				
COVER CLASS (%)					
DOMINANT SPECIES	Euc. wandoo				
	Euc. ridge				
LIFE FORM	SHRUBS				
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
	 				
	10-30				2-10
COVER CLASS (%)					
DOMINANT SPECIES	Hakea virens				Hydrocotyloides
					Beyeria
LIFE FORM	GRASSES	HERBS	SEDGES	over 0.5m	
				under 0.5m	
	 	 	 	 	
		70	30-70		
COVER CLASS (%)		mixed	Restio		
DOMINANT SPECIES			Lepidosperma	#2	

4. VEGETATION CONDITION

Comments

okay cond - had to tell
all weeds etc dead

13-Sep-99

Site

Taxon Name

- 50 Anagallis arvensis
50 Bellardia trixago
50 Borya sphaerocephala
50 X Brachycome sp.1 bellidoides ibidipolis
50 X Caesia micrantha
50 Caesia parviflora
50 Centrolepis pilosa
50 X Craspedia variabilis
50 Dampiera linearis
50 Daucus glochidiatus
50 Diuris laxiflora
50 Drosera menziesii M413
50 Eucalyptus calophylla
50 Eucalyptus marginata
50 Hakea prostrata
50 Hakea varia
50 Hibbertia (crassifolia) hairy
50 Homalosciadium homalocarpum
50 Hyalosperma glutinosum
50 Hypochaeris glabra
50 Hypoxis occidentalis
50 Lagenifera huegelii
50 Leptocarpus coangustatus
50 Loxocarya flexuosa Desmod asp
50 Neurachne alopecuroidea
50 Opercularia vaginata
50 Parentucellia latifolia
50 Podolepis canescens
50 Rhodanthe citrina
50 X Stylidium petiolare
50 X Stylidium uniflorum
50 Thelymitra antennifera
50 Trachymene cyanopetala
50 Trachymene pilosa
50 Tribonanthes longipetala
50 Trifolium dubium

✓ Centrolepis aristata

Drosera gigantea

Romulea rosea var aust

" " var rosea

✓ Tribonanthes aff purpurea uniflora

Sowerbea laxiflora

Anigozanthos bicolor

✓ Wumbea dioica

Chaenasc corymb var latif

Drosera ? heteroph

Philydrella drumm

Ant. ...

Hydrocotyle

Briza max

Haemodorum simplex

Astroloma ciliatum

Aphelia cyper

Trigl calcit

Centrol polyg

27/9/00

sp. maximum (VSP)

Y050

Arthrop capill

Gomph marg

Erygium pinnat

alfordii

Fricoryne elatior

~~Rubidos multif~~

✓ Gonocarpus nodul

good 100+m away

Centrolepis mutica

✓ Stylidium bulbif

✓ Prosera menz menz

✓ Pernetia urvill

✓ Dodonaea pinif

✓ Anagallis arvens

Hypocalymn angust

Kennedia prostrata

Triglochin lineare

Patersonia occid

Burchardia multifl

Lomandra suaevol

✓ Caladenia ~~estam~~ variegata

" "

stylidium crassifolia

Polypomph multifid

✓ Lagenifera huegelii

Briza max

✓ Hibb comutata

Drosera alaudina

phel drumm

d. ceratua

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 E co 50

Record on Sheet

Date 16/3/00

- Column 1 plant name

- Column 2 plant number

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

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

27-9-06

TREES				No	FI	ID	SHRUBS (cont.)				No	FI	ID	HERBS (cont.)				No	FI	ID
Euc. wandoo (20x20)														<i>Villarsia capitatum</i>						
Euc. rudis (20x20)	✓																			
MALLEES							GRASSES													
							<i>Neurachne alopecuroides</i>				✓									
SHRUBS														SEDGES						
✓ <i>Hakea varia</i> (VSI)	✓													✓ <i>Hypolaena exsulca</i>	✓					
<i>Hakea prostrata</i>	✓													<i>Lepidosperma</i>						
✓ <i>Hibbertia polystachya</i> ??	✓													<i>Lepidosperma</i> #2 -?? squamatum						
<i>Potersonia</i>														<i>Lepidosperma pubisquamum</i>	✓					
✓ <i>Hibbertia comarostylis</i> sp. #2	✓													Sedge sp. 1	✓					
<i>Sarcocolla</i> <i>Dampiera linearis</i>	✓																			
✓ <i>Hypocorymbium</i> sp. -??	✓																			
✓ <i>Gompholobium marginatum</i>	✓																			
✓ <i>Begonia Odontaden pinifolia</i>	✓																			
small pea thing																				
✓ <i>Dampiera linearis</i>																				
✓ <i>Astroloma pallidum</i>																				
							HERBS													
							<i>Rhus glabra</i>				✓									
							<i>Styridium</i> -??				✓									
							<i>Romulea</i>													
							✓ <i>Siloxerus multiflorus</i>													
							✓ <i>Brachycome ibericifolia</i>													
							<i>Caps dead</i>													
							✓ <i>Isolepis cernua</i>													
							✓ <i>Galium murale</i>													
							✓ <i>Crotophia variabilis</i>													
							✓ <i>Centropogon pilosa</i>													
							✓ <i>Styridium bulbiferum</i>													

(fine)
(Vsr)

Y050

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

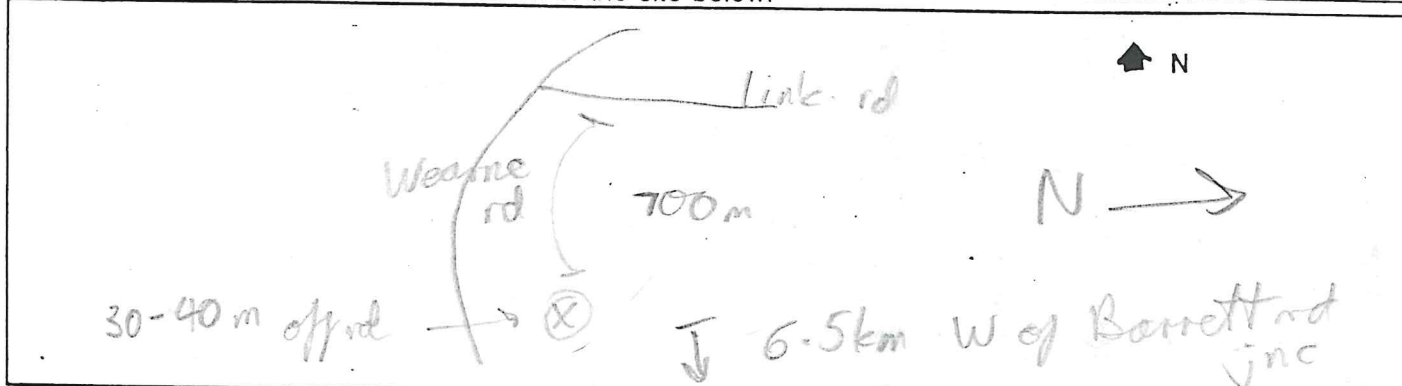
Y051

BUSHLAND AREA SITE NUMBER Eco 51
 DATE TRIP 9/3/00 RECORDERS AW/FQ
 DATE TRIP 27-9-00 RECORDERS AW/WM/NG/AK
 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.

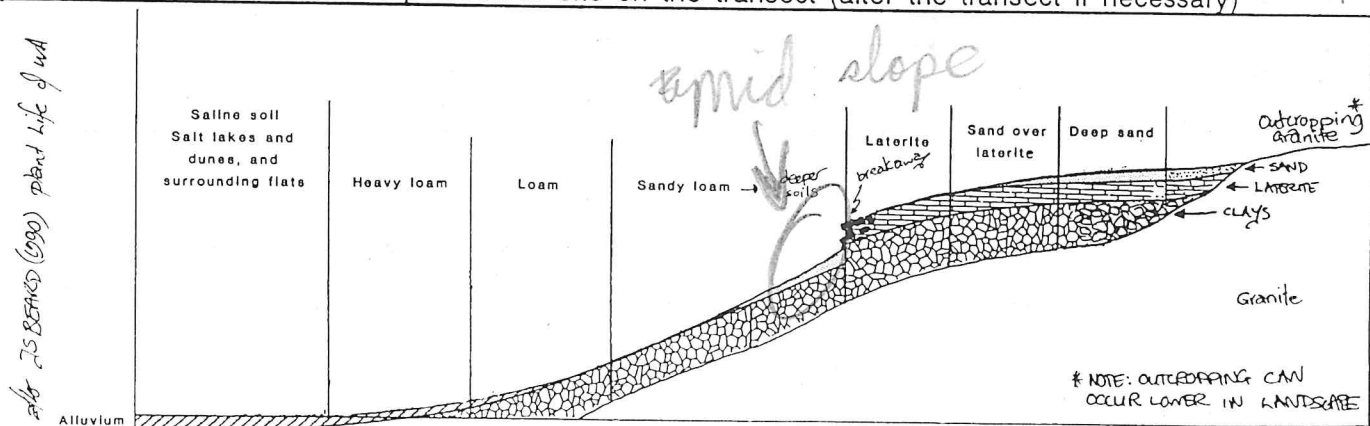


Road Location Wearne rd

Geographic Location Latitude 32° 31' 35.0 S Longitude 116° 34' 15.8 E Altitude 2002.7
 Reference Map

Photograph Photographer's Name NG Photo No 17/18

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 gravelly sandy loam Colour brown
 Exposed rock type laterite rocks 5-10cm % surface cover 25%

Sub-surface Soil Colour
 Rock type depth to rock

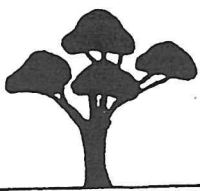
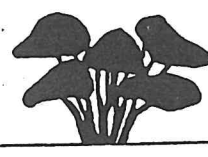
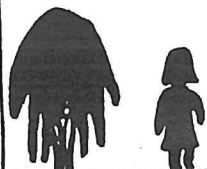
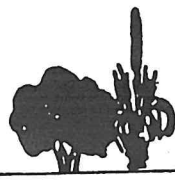
Drainage well mod poor depth water cm Wet all year winter/spring

Litter Depth 60 % cover
2-3 cm Bare Ground 10 % 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						30m 10m
COVER CLASS (%)	2-10		2-10			
DOMINANT SPECIES	Euc marg		Euc wandoo			
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				Brachycome		
				Boerhaavia erio		
				Phacelia		
GRASSES		HERBS		SEDGES		
				over 0.5m	under 0.5m	
LIFE FORM						1m
COVER CLASS (%)					30-70	
DOMINANT SPECIES					Lepidosperma 'S	

check origin
photo
in
report

4. VEGETATION CONDITION

Comments

declining - salt
good / dry condition
wandoo's are all dying from
plot down along drainage line
big wandoo in orig photo is now
dead.

13-Sep-99

Y051

27/9/00

9/3/00

Site	Taxon Name
51	Acacia drummondii
51	Acacia nervosa
51	Acacia sp. 1 ?preissiana/varia
51	Aira caryophyllea
51	Amphipogon sp.1
51	Astroloma compactum
51	Bellardia trixago
51	Bossiaea ornata
51	Brachysema praemorsum
51	Briza minor
51	Conostylis sp.2 ?pusilla setigera
51	Dampiera alata
51	Daviesia decurrens
51	Daviesia preissii
51	Dichopogon capillipes
51	Dillwynia sp. 1 (Kerth Flea)
51	Diplolaena drummondii
51	Dryandra bipinnatifida
51	Dryandra nivea
51	Eucalyptus marginata
51	Eucalyptus wandoo
51	Gahnia aristata
51	Gompholobium marginatum
51	Gonocarpus benthamii
51	Hibbertia hypericoides
51	Hibbertia lasiopus
51	Hibbertia montana commutata
51	Hyalosperma cotula
51	Hypochaeris glabra
51	Kennedia coccinea
51	Labiichea punctata
51	Lagenifera huegelii
51	Lechenaultia biloba
51	Lepidosperma gracile
51	Lepidosperma leptophyllum squam
51	Lepidosperma tenue pubisquam
51	Levenhookia preissii USA
51	Olax benthamiana
51	Parentucellia latifolia
51	Pimelea ciliata
51	Pimelea rosea preissii
51	Pimelea suaveolens
51	Pterochaeta paniculata
51	Rhodanthe citrina
51	Sphaerolobium medium
51	Tetraria octandra
51	Tetrarrhena laevis
51	Tetratheca nuda virgata
51	Tribonanthes australis
51	Xanthosia candida

lindleyana
Chaemascilla carymb var
latifolia

Tricholine spatul
Neerachne alopec

Drosera stolonifera

Tetraria capill

Craspedia variab

Astroloma ciliatum

Austrodanthona sp

Astroloma

Velleia trinervis

Caesia alfordii

Stipa pycnostachy

Agrostocrinum (scabrid)

Thysanotus paterson

Helichrysum leucospidum

Lepidosperma pubisquam x gracile

Lepidosperma gracile USA

SITE No	Eco	51
Date	9/3/00	
	27-9-00	

Record on Sheet

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

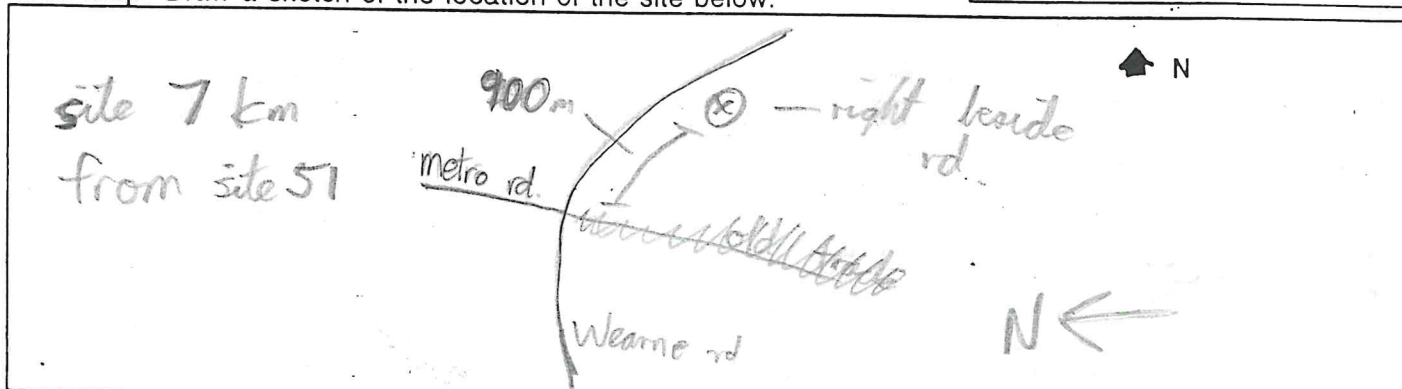
[illegible]

BUSHLAND AREA _____ SITE NUMBER Eco 52
 DATE TRIP 9/3/00 RECORDERS AW/FQ
 DATE TRIP 27/9/00 RECORDERS AW/WM/GK/MLG
 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.

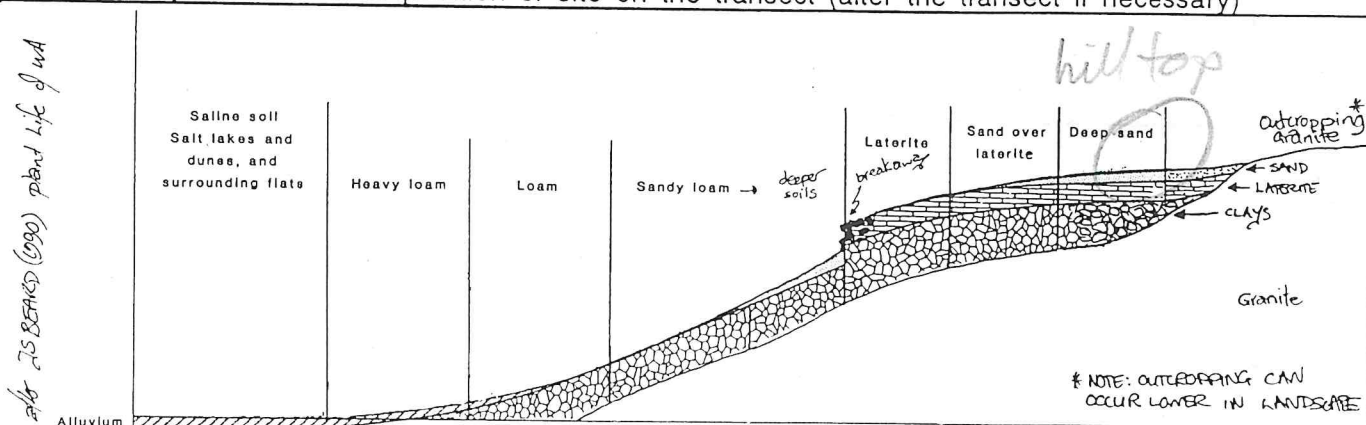


Road Location Weerne rd. - 900m E of Metro road junction.

Geographic Location Latitude Flat S Longitude East E Altitude
 Reference Map 32° 31' 56.8 116° 30' 13.7 PDOF 2-9

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.

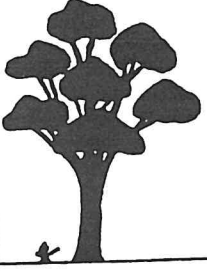
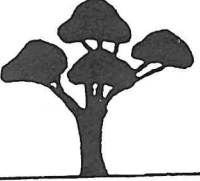
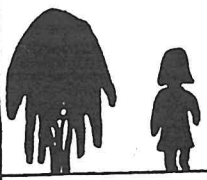
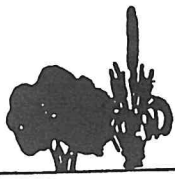
Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	S	<u>SW</u>	W	NW
Surface Soil	<u>gravelly sandy loam</u>							Colour	<u>brown</u>			
Exposed rock	type <u>laterite outcrop</u>							% surface	<u>10-20%</u>			
Sub-surface Soil								Colour				
Rock	type _____							depth to rock				
Drainage	well	mod	poor	depth water	cm	Wet	all year	winter/spring				
Litter	<u>~ 30</u>			% cover	Bare Ground			<u>~ 2</u>			% cover	
<u>2-3</u>	Depth			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					
COVER CLASS (%)	2-10				
DOMINANT SPECIES	Euc marg				
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				30-70	
DOMINANT SPECIES				Hibbertia h. p. 11 C	
				Macraea (biddle)	
				Hakea lissocarpa	
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					10-30
DOMINANT SPECIES					Lepidosperma's

4. VEGETATION CONDITION

Comments

v. good condition
excellent

13-Sep-99

Haemodorum sp

9/3/00

alata

Site	Taxon Name	
52	Acacia willdenowiana	
52	Aira caryophyllea	Ac. preiss
52	Astroloma pallidum	✓ Millotia tenuifolia var. tenuifolia
52	Bossiaea ornata	✓ Dieris sp. (steide)
52	Cassytha sp.1	Austrostipa pycnost
52	Chamaescilla corymbosa	lindleyana
52	XConostylis sp.2 ?pusilla	gomphol. knightian
52	Dampiera linearis	Agrostocrinum frabrid
52	Danthonia caespitosa	commutata
52	Daviesia decurrens	✓ Leptomeria cunninghamii
52	Dryandra nivea	Pterostylis recurva
52	Eucalyptus calophylla	hermaphrodita
52	Eucalyptus marginata	
52	Gompholobium capitatum	
52	Gompholobium confertum	
52	Hakea lissocarpa	
52	XHibbertia hypericoides	
52	Hibbertia montana	
52	Hovea chorizemifolia	
52	Hyalosperma cotula	
52	Laxmannia squarrosa	
52	Lechenaultia biloba	
52	Lepidosperma gracile	leptostylum var
52	Lomandra caespitosa	
52	Lomandra maritima	
52	Lomandra spartea	
52	Desm Loxocarya fasciculata	
52	Macrozamia riedlei	Paladenia flava
52	Patersonia babianoides	Dianella revol
52	Pentapeltis peltigera	Acacia
52	Pterochaeta paniculata	Chaemas
52	(Ptilotus humilis)	✓ Dampiera alata
52	Quinetia urvillei	Amphip. turbin
52	(Scaevola thesioides)	Lagenifera huegel
52	Sphaerolobium medium	Pterostylis sang
52	Stylidium sp.2	✓ Thysanot patersonii
52	Styphelia tenuiflora	Paterson occid
52	Tetraria octandra	✓ Hydrocotyle callicar
52	Tetratheca pilifera	✓ Daviesia (artie) preissii
52	Thysanotus sp.1	
52	Trachymene cyanopetala	
52	Trachymene pilosa	
52	Wahlenbergia (sp.1) preissii	
	Stylidium hirsutum	
	Nerachne alopec	
	✓ Dillwynia cinerea sp A	
	Tetraria capillaris	
	Craspecha variabilis	
	✓ Daviesia (artie) preissii	
		✓ Dieris corymbosa

1052

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20726

5. SPECIES PRESCENCE

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

SITE No Eco 52
Date 9/3/00
27-9-00

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
Euc. marginata				Opereularia echinocephala ✓							
Euc. calophylla - ANT				Sarcocolla glandulifera ✓							
seedling in plot				Conostylis pusilla							
MALLEES											
				GRASSES							
				Danthonia							
SHRUBS											
Macrozamia vedleyi								SEDGES			
Daviesia decurrens ✓								Lepidosperma gracile ✓			
✓ Hibbertia sp. #1 hypericoides								✓ Lepidosperma sp. #2 hypericoides			
Boscia ornata								Squamatum (SP) ✓			
Pterocarya				HERBS							
Hakea laevis				Pentapeltis peltigera ✓							
✓ Callunum sp. A				Stylidium -???							
Styphelia tenuiflora				✓ Trachymene pilosa							
✓ Acacia preissiana											
✓ Dryandra lindleyana ?!											
✓ Astroloma pallidum ✓											
✓ Hibbertia sp. #2				Chasmodon							
✓ Acacia (wildenowiana) alata											
✓ Sphaerolobium sp. medium											

✓ Hibbertia commutata

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

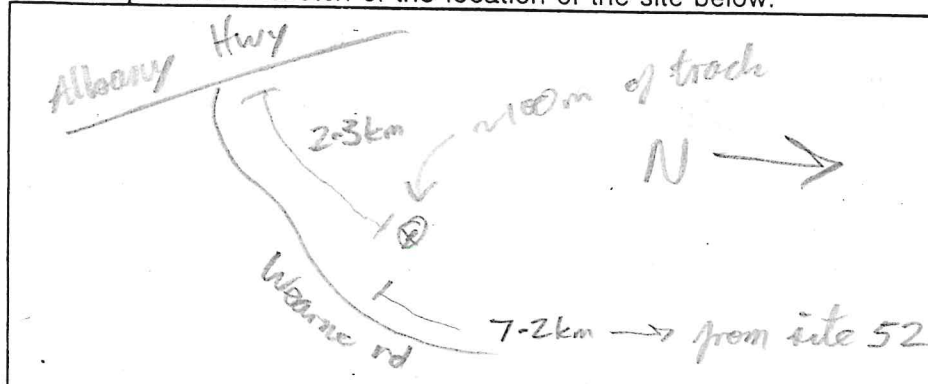
Y053

BUSHLAND AREA Wandoo Cons Park SITE NUMBER Eco 53
 DATE TRIP 9/3/00 RECORDERS AW/IFQ
 DATE TRIP 27/9/00 RECORDERS AW/WM/GK/NK
 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.

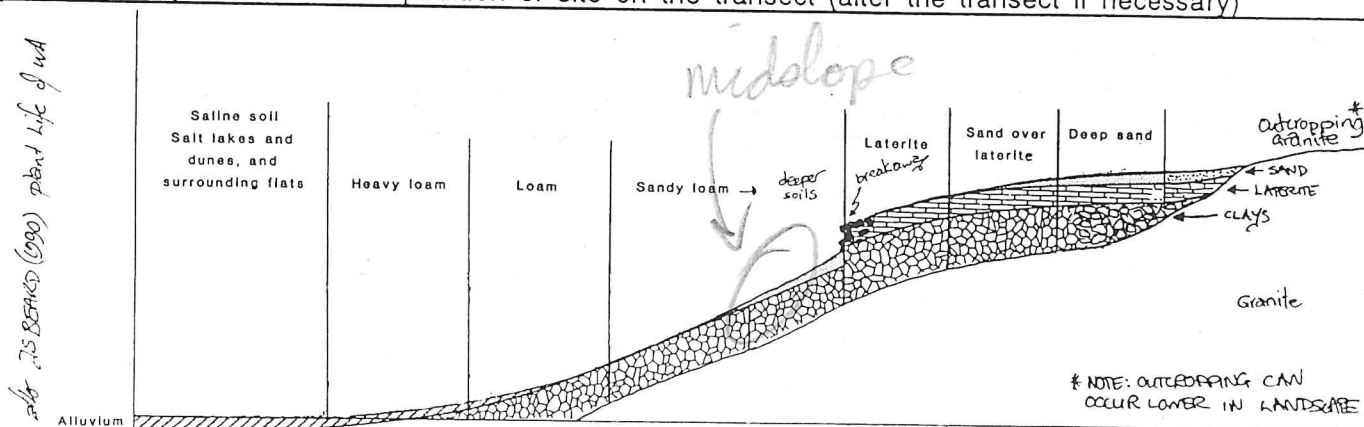


Road Location Wearne rd

Geographic Location Latitude 32° 33' 44.7" S Longitude 116° 27' 06.7" E Altitude _____
 Reference Map _____

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 sand Colour orangey
 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 2 % cover _____ Bare Ground 15 % cover _____
 Depth cm

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					30m
DOMINANT SPECIES					10m AOT Euc. latens
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				70+	2m
DOMINANT SPECIES				Melaleuca Leptospermum Allocasuarina	1m Xanthorrhoea
GRASSES		HERBS	SEDGES		
			over 0.5m	under 0.5m	
LIFE FORM					1m
COVER CLASS (%)					
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

good condition

13-Sep-99

9/3/00

Site	Taxon Name
53	Acacia stenoptera
53	- Allocasuarina humilis
53	- Allocasuarina microstachya
53	Amphipogon turbinatus
53	X Andersonia lehmanniana
53	Boronia ramosa
53	Borya sphaerocephala
53	X Conostylis sp. 2 - pusilla
53	X Dampiera linearis
53	- Dryandra armata
53	- Eucalyptus latens
53	- Hakea incrassata
53	Hibbertia crassifolia
53	Hovea chorizemifolia
53	Hybanthus floribundus
53	Jacksonia restioides
53	Labichea punctata
53	Laxmannia squarrosa
53	- Lechenaultia biloba
53	// Lepidobolus chaetocephalus
53	// Lepidosperma tenue
53	- Leptospermum erubescens
53	- Leucopogon conostephioides
53	Lomandra maritima
53	Loxocarya fasciculata
53	Melaleuca scabra
53	- Mesomelaena tetragona
53	Opercularia vaginata
53	Patersonia occidentalis
53	Petrophile serruriae
53	- Pimelea angustifolia
53	X Schoenus clandestinus
53	Schoenus minutulus
53	X Sphaerolobium medium
53	// Stenanthemum coronatum
53	Stylidium sp. 2
53	X Styphelia tenuiflora
53	Tetraria octandra
53	Vulpia myuros
53	- Xanthorrhoea preissii

leptostachya

lepidosperma pubisgemum

pauilum

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

Record on Sheet

- Column 1 plant name

- Column 2 plant number

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

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

27/9/00

Jawab

TREES				No	FI	ID	SHRUBS (cont.)				No	FI	ID	HERBS (cont.)				No	FI	ID
							Grevillea <i>cirsifolia</i>										<i>Tetradlea</i> <i>octand</i>			
							<i>Petrocarpa</i> <i>trinervis</i>										<i>Amphip.</i> <i>torbinatus</i>			
							<i>Hibiscus</i> sp. 1 <i>rhodanthus</i>										<i>Pultenaea</i>			
							<i>Conosyris</i> heliosa <i>pusilla</i>										<i>Sphaerolobium</i> <i>medium</i>			
							Eucalyptus <i>laurophylla</i> <i>stricta</i>										<i>Strophilia</i> <i>tenuif</i>			
							<i>Leucopogon</i> ? <i>coronostaphylodes</i>										<i>Philotus</i> <i>mangroveii</i>			
MALLEES							<i>Lycopodium</i> <i>nutans</i>										<i>Dryandra</i> <i>lindleyana</i>			
							<i>Stenanthemum</i> <i>humilimum</i>										<i>Dampiera</i> <i>linearis</i>			
<i>Euc latens</i>	AQ	-P?					GRASSES fenistroides										<i>Hareia</i> <i>chorizemif</i>			
							<i>Stylid.</i> <i>repens</i>										<i>Laxmann</i>			
SHRUBS							<i>Drosera</i> ? <i>pulchella</i>										<i>Gomphol</i> <i>confertum</i>			
?? → <i>Gompholobium</i> <i>huttonioides</i>							<i>Astroloma</i> <i>pallida</i>										<i>Bardua</i> <i>spathul</i>			
<i>Lepidosperma</i> <i>erubescens</i>							<i>Acacia</i> <i>stenoptera</i>										SEDGES			
<i>Xanthorrhoea</i> <i>preissii</i>							<i>Oreocaul</i> <i>valin</i>										<i>Mesembryanthemum</i> <i>tetragyn</i>			
Allo <i>Casuarina</i> <i>humilis</i>							<i>Drosera</i> <i>madagascaria</i>										<i>Lepidosperma</i>			
<i>Hakea</i> sp.							<i>Baeckea</i> <i>camphoros</i>										<i>Mesembryanthemum</i>			
<i>Alloraspis</i> <i>microstachya</i>							<i>Gomphol</i> <i>polym</i>										<i>Lepidosperma</i>			
<i>Cassia</i>							HERBS										<i>Lepidosperma</i>			
<i>Jacksonia</i> <i>condensata</i> -??							<i>Cassinia</i> <i>glabella</i> -?										<i>Lepidosperma</i> <i>leptostachyum</i>			
<i>Hakea</i> <i>incrassata</i>							<i>Lechenanthes</i> <i>biloba</i>										<i>Tetradlea</i> <i>capillaris</i>			
<i>Melaleuca</i> sp. <i>systena</i>							<i>Trichodine</i> <i>spathul</i>										<i>Lomatia</i> <i>sulcata</i> -??			
<i>Dryandra</i> <i>armata</i>							<i>Laxmannia</i> <i>sessiliflora</i>										<i>Lepidobot</i> <i>preiss</i>			
<i>Petermannia</i>							<i>Patersonia</i> <i>occ</i>										<i>Lepidosperma</i> <i>leuc</i> / <i>gracilis</i>			
<i>Andersonia</i> Ala <i>lehmanniana</i>							<i>Hypochaeris</i> <i>glabra</i>										<i>Dekmodad</i> <i>fasic</i>			
<i>Synaphea</i> sp. <i>cuneata</i>							<i>Labiichea</i> <i>punctata</i>										<i>Lom</i> <i>hermaph</i>			
<i>Pimelea</i> (sp. <i>preissa</i>)							<i>Stylid</i> <i>pycnost</i>										<i>Chomzewa</i> <i>thieros</i> sp. <i>Metro</i>			
<i>Lasiopetalum</i>																	<i>Schoenus</i> <i>clandestinus</i>			
<i>Lasiopetalum</i>																	<i>Nerachne</i> <i>alop</i>			
<i>Lasiopetalum</i> <i>gibratum</i>																	<i>Drosera</i> <i>stolonit</i>			
<i>Davson</i> <i>costata</i>																	<i>Schoenus</i> <i>pleistemonius</i>			

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

Y054

BUSHLAND AREA Wandoo Conservation Park SITE NUMBER Eco54

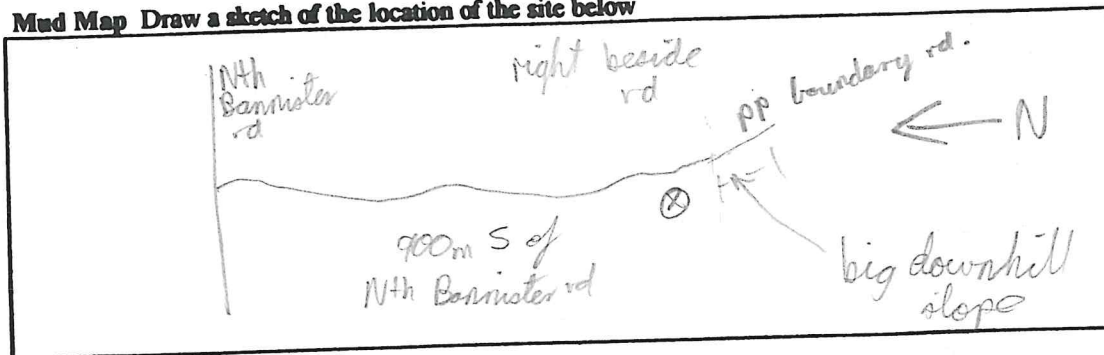
DATE TRIP 16/3/00 RECORDERS AW/PQ

DATE TRIP 27-9-00 RECORDERS AW/WM/NG/GK

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location PP boundary rd

Geographic Location Latitude 32° 35' 30.7" S Longitude 116° 30' 54.3" E Altitude _____
GPS Accuracy _____
Map Sheet _____

Photograph Name N19 Number 14

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

2. SITE DATA Circle the correct response

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

Surface Soil sandy clay Depth to Rock surface outcrops Colour red brown
stone

Exposed Rock type granite + laterite % surface cover 60% size range pebbles - 1m+ outcrops

Litter ~5 % surface cover 1cm Depth (cm)

Bare Ground ~10 % surface cover

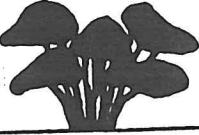
Adapted from 'Bushland Plant Survey' written by B. Keighery (1994) and published by Wildflower Society of WA (Inc). PO Box 64 Nedlands WA 6008

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

3. VEGETATION STRUCTURE AND COVER

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

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

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

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 				
COVER CLASS (%)			30-70	30-70	
DOMINANT SPECIES			Xanthorrhoea Hakea	Hibiscus Lechenaultia biloba	

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

4. VEGETATION CONDITION

Comments

good cond.

13-Sep-99

16/3/00 4054
27/9/00

Site	Taxon Name	
54	Acacia nervosa	
54	Acacia pulchella	
54	Aira caryophyllea <i>arpaniana</i>	<i>Millotia tenuifolia</i> var. <i>tenuifolia</i>
54	Astroloma ciliatum	
54	Astroloma compactum	<i>Hovea chorizemif</i>
54	Astroloma humifusum	
54	Astroloma pallidum	<i>Hypoxis occid</i>
54	Bossiaea ornata	
54	Briza minor	
54	Craspedia variabilis	
54	Dam. sp1.	
54	Dampiera alata	<i>Nerachne alopec</i>
54	Dampiera linearis	
54	Danthonia caespitosa	<i>Caesia alford</i>
54	Daucus glochidiatus	
54	Dryandra (aretotidis) <i>indley ssp sylv</i>	<i>Homalosciad homatoc</i>
54	Eucalyptus wandoo	
54	Gompholobium marginatum	
54	Gonocarpus benthamii	<i>Drosera pallida</i>
54	Hakea lissocarpa	
54	Hibbertia hypericoides	
54	Hibbertia montana <i>commutata</i>	
54	Hyalosperma cotula	
54	Hydrocotyle (scutellifera) <i>callicarpa</i>	<i>Thysanot. pat</i>
54	Hypochaeris glabra	
54	Kennedia prostrata	<i>Hakea undulata</i>
54	Lagenifera huegelii	
54	Lasiopetalum cardiophyllum	<i>Pterostyl. recurva</i>
54	Lechenaultia biloba	
54	Lepidosperma gracile <i>leptoschaly um</i>	
54	Lepidosperma tenue <i>cunninghamii</i>	
54	Leptomeria (squarrolosa) <i>scrobicul</i>	<i>Wurmbea monantha</i>
54	Macrozamia riedlei	
54	Mitrasacme paradoxa	<i>Lomandra brittanii</i>
54	Parentucellia latifolia	
54	Patersonia babianoides	<i>Hovea trispema</i>
54	Pimelea ciliata	
54	Pterochaeta paniculata	
54	Pultenaea sp.1	
54	Quinetia urvillei	
54	Schoenus latitans <i>clandest</i>	
54	Stackhousia monogyna	
54	Stipa semibarbata	
54	Stylidium caricifolium	<i>Sheucopogan</i> <i>capitellatus</i>
54	Stylidium ciliatum	
54	Stylidium rhynchocarpum	
54	Stylidium sp.2	
54	Thysanotus tenellus	<i>Trachymene pilosa</i>
54	Tricoryne humilis	
54	Trifolium subterraneum	<i>Stypandra glauca</i>
54	Tripterococcus brunonis	
54	Trymalium ledifolium	<i>Haemodorum</i>

Trichodine spathu
Poa drummond

X054

16/3/00

13-Sep-99

Site	Taxon Name
54	Velleia trinervis
54	Vulpia myuros
54	Xanthorrhoea preissii drummondii/preiss

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

Record on Sheet

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

27-9-00

[illegible]

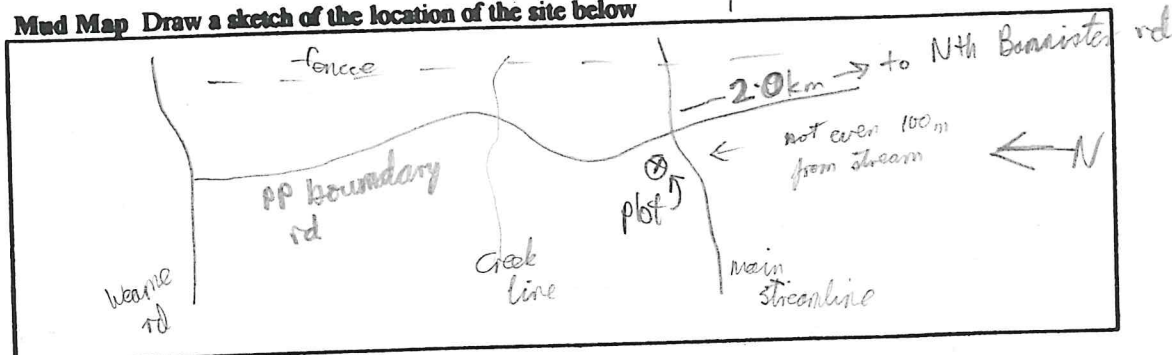
BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

4055

BUSHLAND AREA Wandoo Conservation Park SITE NUMBER Eco 55
 DATE TRIP 16/3/00 RECORDERS AW/FQ
 DATE TRIP 27/9/00 RECORDERS AW/NG/WM/GK
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location PP boundary rd.

Geographic Location Latitude 32° 33' 51.8" S Longitude 116° 30' 45.5" E Altitude _____
 GPS Accuracy _____
 Map Sheet _____

Photograph Name NG Number 13

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 clay loam Depth to Rock varied at surface at times Colour brown

Exposed Rock type granite % surface cover ~1% size range tiny outcrop and pebbles

Litter ~5 % surface cover 1cm Depth (cm) _____

Bare Ground ~30 % surface cover _____

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

Only has 3 prep - 4th one would be in 100 track so rock with small clearing around used for marker

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		Euc. wandoo			
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 				
COVER CLASS (%)			30-70	70-30	
DOMINANT SPECIES			Grevillea bipp Haben Centaurea caly	Acacia Dodonaea Hibiscus Corymbia	
GRASSES		HERBS	SEDGES	under 0.5m	
LIFE FORM	 	 	  	  	
COVER CLASS (%)		2-10		30-20	
DOMINANT SPECIES		Glochidion Yonoc. pith		Gf. Schoenus	

4. VEGETATION CONDITION

Comments

excellent good conditions

16/3/00 V055

13-Sep-99

Hybanthus florib

Conostylis setig.

✓ Schoenus unispiculatus

no peps

nothing

matches

anything

idiots

~ 2km past

supposed

location

Hydrocotyle callicarp

Aphelia cyperoides

Elytranthera bruno

Grevill pilulifera

Gonocarpus pithy

Haemodorum

Drosera rostrulata

Drosera pallida

Platysace juncea

Briza minor

Dianella revol

Site

Taxon Name

Stylidium bulbifera

55

Aira caryophyllea

55

Allocasuarina humilis

55

Astroloma compactum

55

Borya sphaerocephala

55

Briza minor

55

Chorizema dicksonii

55

Conostylis sp.2 ?pusilla

55

Craspedia variabilis

55

Cryptandra arbutiflora

55

Dampiera lavandulacea

55

Daviesia decurrens

55

Drosera leucoblata

55

Eryngium pinnatifidum

55

Eucalyptus wandoo

55

Gastrolobium calycinum

55

Gompholobium marginatum

55

Grevillea bipinnatifida

55

Hibbertia crassifolia

55

Hyalosperma cotula

55

Hyalosperma demissum

55

Hypoxis occidentalis

55

Isolepis marginata

55

Lagenifera huegelii

55

Laxmannia squarrosa

55

Lepidosperma gracile

55

Levenhookia pusilla

55

(Loxocarya flexuosa)

55

Neurachne alopecuroidea

55

Olax benthamiana

55

Opercularia vaginata

55

Parentucellia latifolia

55

Pimelea ciliata

55

Pimelea imbricata

55

Podolepis lessonii

55

Pterochaeta paniculata

55

Pultenaea sp.1

55

Rhodanthe citrina

55

Romulea rosea

55

Rutidosia multiflora

55

Schoenus clandestinus

55

Siloxerus filifolius

55

Sowerbaea laxiflora

55

Spyridium tridentatum

55

Stipa semibarbata

55

Stylidium ciliatum

55

Stylidium uniflorum

55

Stypandra glauca

55

Tetrarrhena laevis

55

Tetratheca nuda

55

Tribonanthes australis

55

Trymalium ledifolium

55

Wurmbea tenella

55

✓ Schoenus nanus

Atakea undulata

Burch multiflora

Chaemascilla corymb

Centrolep aristat

Vulpia myuros

var latif

Stylid calcaratum

Hypoch. glabra

Chorizema acie

leftostegium

Desmod. asp

(wandoo)

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20 F20

5. SPECIES PRESCENCE

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

SITE No Eco 55
 Date 16/3/00
 27-9-00

Record on Sheet

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

GOME

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. wandoo	✓			Xanthosia atkinsoniana	✓			Platysema juncea	✓		
				unknown seedling white leaf undersides							
				Olex benthamiana	✓						
				Grevillea pilulifera	✓						
				Stenanthemum emarginatum	✓						
MALLEES											
				GRASSES							
				Neurochne slopingensis	✓						
				Bromo maxima	✓						
				Danthous							
								SEDGES			
				SHRUBS							
Gonocarpus cordiger	✓			Stypanthra glauca	✓			Lepidosperma sp. gracile	✓		???
Grevillea bipinnatifida	✓							Schoenus clandestinus	✓		
Hakea undulata	✓							Desmodium flexuosus	✓		
Gastrolobium calycinum	✓							Desmodium flexuosus			
Dumetia decipiens	✓										
Allocasuarina humilis	✓			HERBS							
Pinetia imbricata	✓			Barya sphaerocephala	✓						
Pinetia nodosa	✓			Siloxerus multiflorus	✓						
Hibbertia polystachya	✓			Hypoxerum demissum	✓						
Hibbertia #2 -??	✓			Prosera macrantha	✓						
Trimalium ledifolium	✓			Stylidium calcantum	✓						
Glycyrrhiza				Vulpia myuros	✓						
Astilona compactum	✓										
Dampiera laevigata	✓										
Gentianella marginatum	✓										
Pinetia ciliata	✓										
Conostylis											
Conostylis #2 " "											
Cryptandra acutiflora	✓										
Stackhousea											

1052

Y056

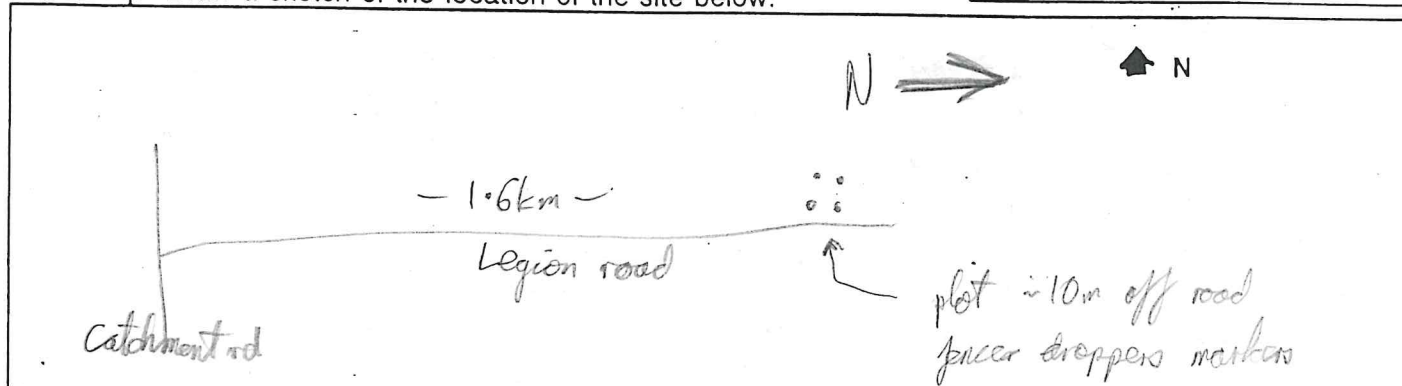
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Wandoo Cons park SITE NUMBER Eco 58
 DATE TRIP 19/1/00 RECORDERS AW/FO
 DATE TRIP 28-9-00 RECORDERS AW/WM/NG/GK
 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.

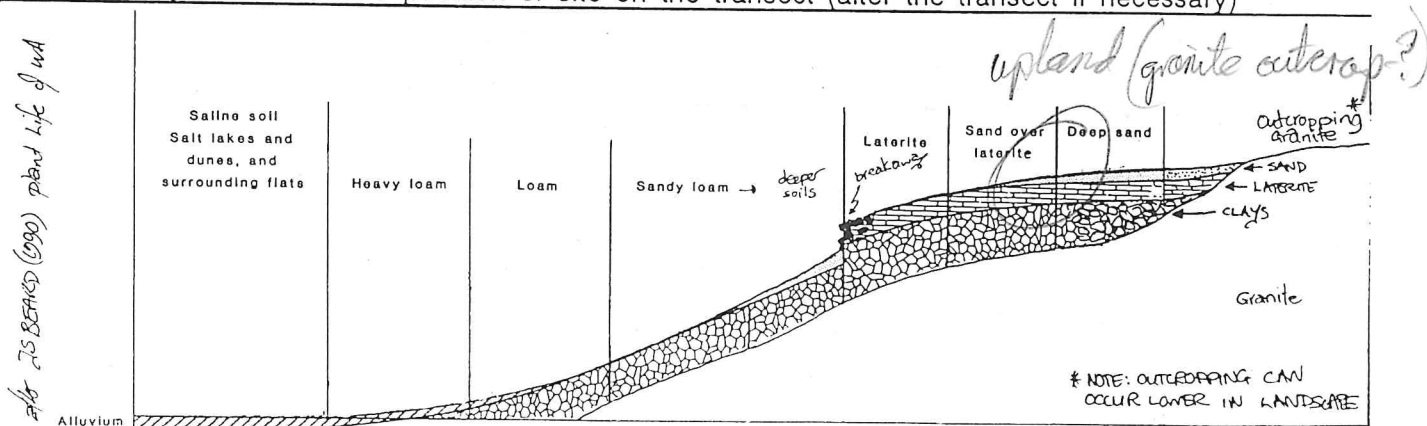


Road Location 1.6km N along Legion rd

Geographic Location Latitude 32° 09' 55.8" S Longitude 116° 33' 01.7" E Altitude 583
 Reference Map 20

Photograph Photographer's Name NG Photo No 32

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 SW

Surface Soil clay loam Colour orange/brown
 Exposed rock type granite % surface ~2% in plot more ADJ
 Sub-surface Soil granite Colour 5%
 Rock type granite depth to rock _____

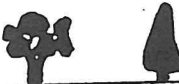
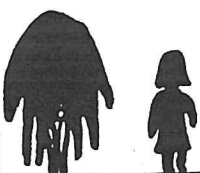
Drainage well mod poor depth water cm Wet all year winter/spring

Litter 30-50 % cover _____
 Depth 1-2cm cm Bare Ground ~30-50 % cover _____

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

3. VEGETATION STRUCTURE AND COVER

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

For each layer record - appropriate life form, cover class (see below) and					
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. ulandensis - young ones		
SHRUBS			SHRUBS		
over 2m		2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				>70%	
DOMINANT SPECIES				Hakea Acacia pulchella Drosera pteris	
GRASSES		HERBS	SEDGES	over 0.5m	
				under 0.5m	
LIFE FORM					
COVER CLASS (%)				30-70	
DOMINANT SPECIES				Lepidosperma	

4. VEGETATION CONDITION

Comments

not disturbed as such, but ~~lot~~ of dead standing stuff, probably drought, heavily grazed by roos - (shallow soil over granite rock = drought)

Y056

19/1/00

28/9/00

13-Sep-99

collected soil

15-2.5

Site	Taxon Name
58	Acacia pulchella
58	Adenanthos cygnorum
58	Bellardia trixago
58	Beyeria sp.1
58	Caesia micrantha
58	Caesia parviflora
58	Caladenia flava
58	Cryptandra arbutiflora (USP)
58	Dampiera lavandulacea (sp. arbutiflora)
58	Daucus glochidiatus
58	Dianella revoluta
58	Dryandra fraseri
58	Eucalyptus wandoo
58	Galium murale
58	Gnephosis pusilla tenuiss
58	Gompholobium marginatum
58	Haemodorum simplex
58	Hakea erinacea
58	Hakea petiolaris
58	Hakea undulata
58	Hibbertia sp.2 polystachya
58	Hypocalymma angustifolium
58	Hypoxis occidentalis
58	Jacksonia restioides
58	Lagenifera huegelii
58	Lepidosperma tenue (left stamens) (USP)
58	Lomandra preissii
58	Neurachne alopecuroidea
58	Opercularia vaginata
58	Oxalis corymbosa perennans
58	Parentucellia latifolia
58	Podolepis lessonii
58	Schoenus latitans clandestinus
58	Stylidium calcaratum
58	Trifolium campestre
58	Waitzia nitida
58	Xanthosia huegelii
58	Xanthosia sp.1
	Persoonia quinque
	Briza max
	Anthrop capill
	Drosera glandul
	Hypochoeris glab
	Schoenus nanus
	Hydrocotyle colliarfer
	Rutidosia multif
	Anagallis arvensis
	Desmocl asper
	Stipa campyloque (USP)
	Stipa pterostachya
	gonocarp nodul
	Barya sphaeroc
	Thysanot paterson
	Romulea rosea
	Hypoxis occid

Homalosciad homaloc

Sowerbacia laxif

Kennedia prost

Microbena stip

Drosera rostulata

Erodium cygnorum

Levenhookia

Crassula pedicell

Hyalosp demiss

Ptilotus declinat

Stylidium petiolar

Briza minor

Drosera stolonif

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

[illegible]

45

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

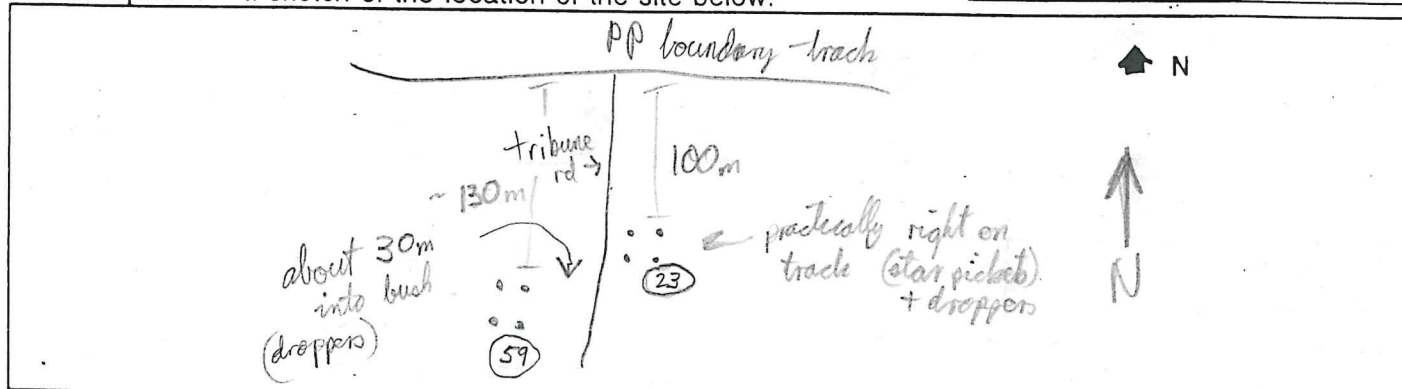
4057

BUSHLAND AREA Wandoo Cons Park SITE NUMBER Eco 59
 DATE TRIP 19/1/00 RECORDERS AW/FO
 DATE TRIP 27-9-00 RECORDERS AW/NM/NQ/GK
 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.

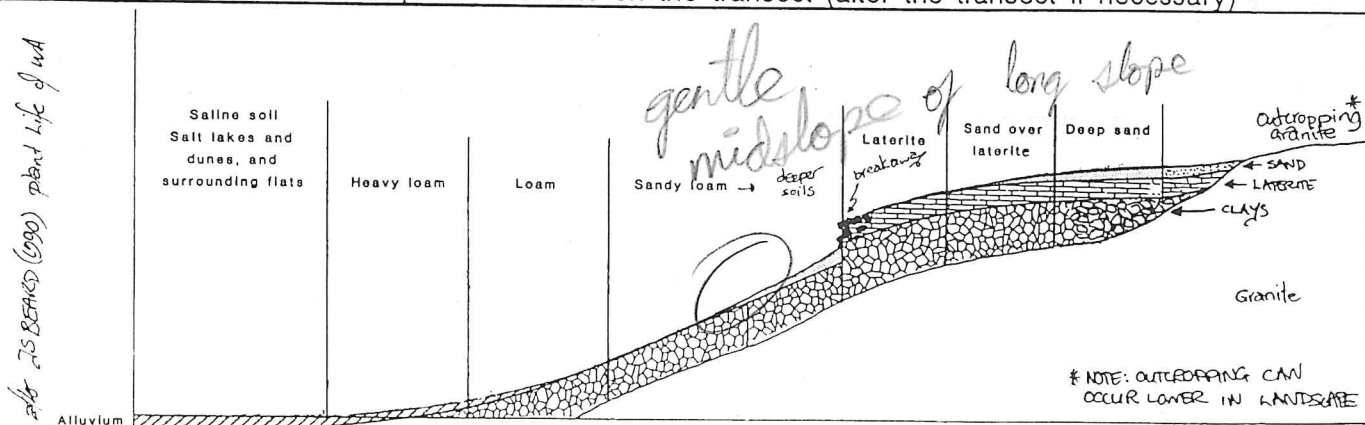


Road Location ~130m South

Geographic Location Latitude 32° 08' 30" S Longitude 116° 35' 32.6 E Altitude 383
 Reference Map 20

Photograph Photographer's Name NQ Photo No 30

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 white
 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

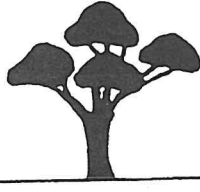
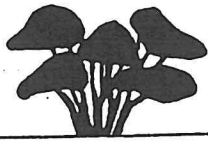
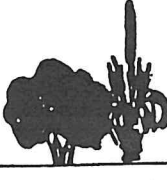
Litter Depth 10 % cover _____ Bare Ground 40 % cover _____
 Depth 1cm cm

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 (%)	ADJ				
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	10-30			30-70
DOMINANT SPECIES	Hakea prostrata	Xanthorrhoea procera			Potersonia Verticordia Hibbertia
GRASSES		HERBS	SEDGES	over 0.5m	
					under 0.5m
LIFE FORM					
COVER CLASS (%)		30-70			30-70
DOMINANT SPECIES		Borua Caedia			Caustia diocta Mesomelaleuca Harporia

4. VEGETATION CONDITION

Comments

undisturbed just sparsely veged/covered area

V057

19/1/00

13-Sep-99

collected soil

Site	Taxon Name
59	Acacia pulchella
59	Anigozanthos preissii bicolor
59	Astroloma compactum
59	Astroloma pallidum
59	Borya sphaerocephala
59	Bossiaea eriocarpa
59	Brachycome sp. 1 hybrid
59	(as 23) Conostylis sp. 1 ?melanopogon
59	(as 23) Conostylis sp. 2 ?pusilla
59	Danthonia caespitosa
59	Daviesia decurrens
59	Daviesia hakeoides
59	Dryandra nivea lindleyana
59	Elythranthera emarginata
59	Eucalyptus calophylla
59	AD 55 Eucalyptus wandoo
59	Glischrocaryon aureum
59	Gompholobium marginatum
59	Haemodorum paniculatum
59	Haemodorum simplex
59	Hakea prostrata
59	Hypochaeris glabra
59	Isotropis cuneifolia
59	Laxmannia squarrosa grandif
59	Lomandra integra
59	Lomandra preissii
59	Mesomelaena tetragona
59	Opercularia vaginata
59	Patersonia occidentalis
59	Pimelea angustifolia
59	Pimelea imbricata
59	Podolepis canescens
59	Podotheca angustifolia
59	Scaevola repens
59	Stylidium ciliatum
59	Stylidium piliferum
59	The... spl...
59	Trachymene cyanopetala
59	Trachymene pilosa
59	Ursinia anthemoides
59	Verticordia densiflora
59	Xanthorrhoea preissii

- ✓ Harperia latriflora
- Thys. paterson
- Pyrarthis nigric
- ✓ Hibb. subvag
- Dros. menz penicill
- Stylid calcar
- Hibb. hypericoides
- Anigoz manglesii
- chaemascill spiralis
- Burchardia umbellata
- ✓ Schoenus curvif
- Desmod fascic
- Lomandra suaeu
- ✓ Caustis dioica
- Drosera
- II stolonifera
- Aira coryophyll
- Brachyloma concolor
- Nerachne alop
- ✓ Comespernum stoech
- Laxmann sessilif
- ✓ Calytrix leschenault
- (7 stems)
- Desmod asper
- Starkh mnnn.9

serrulata
C. setigera

- Laxmannia squarrosa
- Parentucellia latifolia
- Tetraria oct
- Vulpia myuros
- Xanthosia huegelii
- Kennedia prostrata
- Anigozanthos humilis
- Sowerbaea lax

Asls pallidum

22 x 20

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

Record on Sheet

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

E. marg
Euc calap

[illegible]