

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER 01  
 DATE TRIP 13-6-1999 RECORDERS NG/GK  
 DATE TRIP 20-10-99 RECORDERS AW/NG/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

MUIR HIGHWAY / Unicorn SF

Geographic Location Latitude

NORM

S Longitude

E Altitude

Reference Map

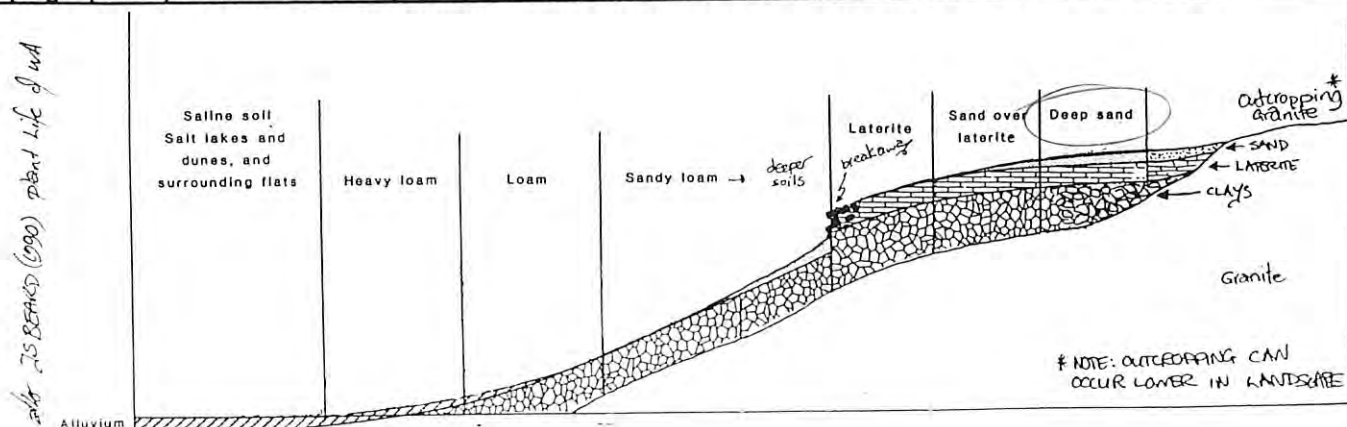
Photograph

Photographer's Name

NG

Photo No 24

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



2. SITE DATA Circle the correct response.

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

Surface Soil sand Colour brown-grey  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

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

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

Litter US stems % cover 30/70 Bare Ground 30 % cover  
 Depth 2-5 cm

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

## 3. VEGETATION STRUCTURE AND COVER

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

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

| TREES            |                                                                                     |                                                                                     | MALLEES                                                                              |                                                                                       |                                                                                       |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                  | over 15m                                                                            | 5-15m                                                                               | under 5m                                                                             | over 8m                                                                               | under 8m                                                                              |
| LIFE FORM        |    |    |     |     |    |
| COVER CLASS (%)  | 10/30                                                                               |                                                                                     | 2                                                                                    |                                                                                       |                                                                                       |
| DOMINANT SPECIES | <i>Euc. margin</i><br><i>Euc. calophyll</i>                                         |                                                                                     | <i>Banks littoralis</i><br><i>Banks grandis</i>                                      |                                                                                       |                                                                                       |
| SHRUBS           |                                                                                     |                                                                                     | SHRUBS                                                                               |                                                                                       |                                                                                       |
|                  | over 2m                                                                             | 2m - 1.5m                                                                           | 1.5 - 1m                                                                             | 1-0.5m                                                                                | under 0.5m                                                                            |
| LIFE FORM        |   |  |    |   |  |
| COVER CLASS (%)  |                                                                                     | 2                                                                                   |                                                                                      | 10/30                                                                                 | 10-30                                                                                 |
| DOMINANT SPECIES |                                                                                     | <i>Xanth. preissii</i><br><i>Acacia extensa</i><br><i>Parsonia longif</i>           |                                                                                      | <i>Melal. thym</i><br><i>Pultanea bohr</i>                                            | <i>Bossiaea ornata</i><br><i>Leucop. revol</i>                                        |
| GRASSES          |                                                                                     | HERBS                                                                               | SEDGES                                                                               | over 0.5m                                                                             |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                      | under 0.5m                                                                            |                                                                                       |
| LIFE FORM        |  |  |  |  |                                                                                       |
| COVER CLASS (%)  | 2                                                                                   | 2-10                                                                                |                                                                                      |                                                                                       |                                                                                       |
| DOMINANT SPECIES | <i>Tetrarrhena</i>                                                                  | <i>Conostylis vag</i><br><i>Lindsaea lindae</i>                                     |                                                                                      | <i>Loxocarya flex</i><br><i>Anarthria prolif</i><br><i>Tetraria cap</i>               |                                                                                       |

## 4. VEGETATION CONDITION

Comments

very good - excellent  
patches dieback

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

Column 1 plant name

5/11/89

Record on Sheet

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

20 - 10 - 1999

same

| TREES     |            |  |  | No | FI | ID | SHRUBS (cont.) |            |  |  | No | FI | ID | HERBS (cont.) |            |  |  | No | FI | ID |
|-----------|------------|--|--|----|----|----|----------------|------------|--|--|----|----|----|---------------|------------|--|--|----|----|----|
| Eucalypt  | margin     |  |  |    |    |    | Hovea          | trisperma  |  |  |    |    |    | Lomandra      | sericea    |  |  |    |    |    |
| Eucalypt  | calophyll  |  |  |    |    |    | Lechenaultia   | expansa    |  |  |    |    |    | "             | sonderi    |  |  |    |    |    |
| Persoonia | longifol   |  |  |    |    |    | Brachyloma     | & preissii |  |  |    |    |    |               | 20-10-1999 |  |  |    |    |    |
| Banksia   | grandis    |  |  |    |    |    |                |            |  |  |    |    |    | x Millotia    | tenuiflor  |  |  |    |    |    |
| Banksia   | littoralis |  |  |    |    |    |                |            |  |  |    |    |    | x Dampiera    | linearis   |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    | x Levenhookia | pusilla    |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    | x Hydrocotyle | calicarpin |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    | x Aira        | caryophyll |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    | x Scaevola    | phlebopet  |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    | x Trachymen   | pilosa     |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    | x Ampel       | patens     |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    | x Stylidium   | calcaratum |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |
|           |            |  |  |    |    |    |                |            |  |  |    |    |    |               |            |  |  |    |    |    |

Stirlingia sample - 20/10 ✓

x Homandra hermaphrodita

# BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER Ø 2  
 DATE TRIP 13-6-1999 RECORDERS NG/GK  
 DATE TRIP 20-10-1999 RECORDERS AW/NG/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.

↑ N

NORM

Road Location NORM

Unicup State Forest

Geographic Location Latitude NORM S Longitude \_\_\_\_\_ E Altitude \_\_\_\_\_

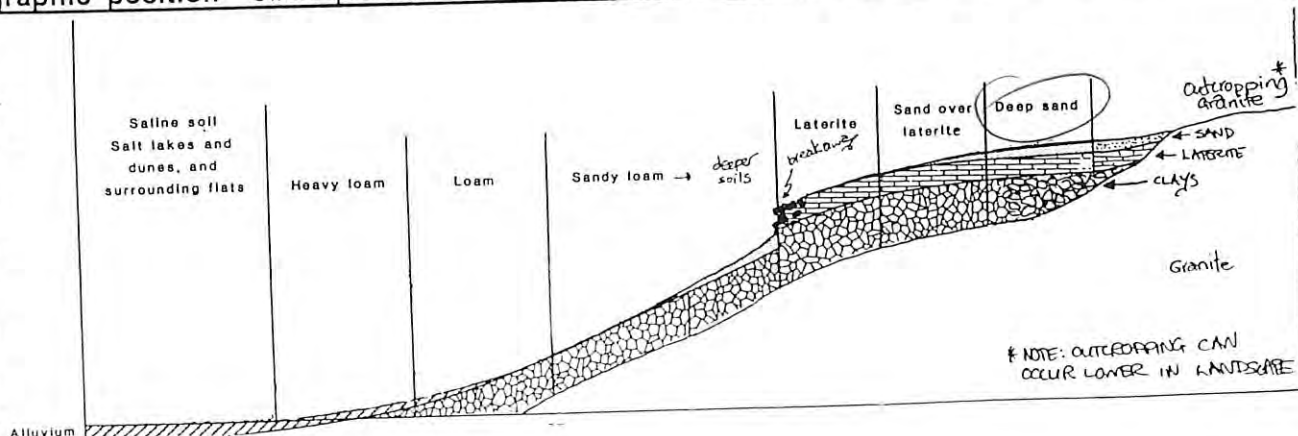
Reference Map \_\_\_\_\_

Photograph Photographer's Name NG

Photo No 25

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

alt 75 BEAKED (1990) plant life of ud



## 2. SITE DATA Circle the correct response.

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

Surface Soil sand Colour cream  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil sand Colour cream  
 Rock type laterite depth to rock > 1m

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

Litter VS twigs % cover 70/90 Bare Ground < 10 % cover  
 Depth 2-10 cm

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

### 3. VEGETATION STRUCTURE AND COVER

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

| Cover Class      |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 2-10%            |                                                                                     | 10-30%                                                                              |                                                                                      | 30-70% over 70%                                                                       |                                                                                       |
| TREES            |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| over 15m         |                                                                                     | 5-15m                                                                               |                                                                                      | under 5m                                                                              |                                                                                       |
| LIFE FORM        |    |    |     |     |    |
| COVER CLASS (%)  | 30/70                                                                               |                                                                                     | 10/30                                                                                |                                                                                       |                                                                                       |
| DOMINANT SPECIES | <i>Euc. margin</i><br><i>Euc. calophylla</i>                                        |                                                                                     | <i>Banksia grandis</i>                                                               |                                                                                       |                                                                                       |
| SHRUBS           |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| over 2m          |                                                                                     | 2m - 1.5m                                                                           |                                                                                      | 1.5 - 1m                                                                              |                                                                                       |
| LIFE FORM        |   |  |   |  |  |
| COVER CLASS (%)  | 2-10                                                                                |                                                                                     |                                                                                      |                                                                                       | 2-10                                                                                  |
| DOMINANT SPECIES | <i>Agonis parvic</i><br><i>Bossea linoph</i><br><i>Hakea prostrata</i>              |                                                                                     |                                                                                      |                                                                                       | <i>Leucopogon revolutus</i><br>"prostratus"                                           |
| GRASSES          |                                                                                     | HERBS                                                                               |                                                                                      | SEDGES                                                                                |                                                                                       |
| over 0.5m        |                                                                                     | under 0.5m                                                                          |                                                                                      | over 0.5m                                                                             |                                                                                       |
| LIFE FORM        |  |  |  |  |                                                                                       |
| COVER CLASS (%)  | <2                                                                                  | <2                                                                                  |                                                                                      | 30/70                                                                                 |                                                                                       |
| DOMINANT SPECIES |                                                                                     | <i>Dianella revoluta</i>                                                            |                                                                                      | <i>Tetraria capillaris</i><br><i>Baumea juncea</i>                                    |                                                                                       |

#### 4. VEGETATION CONDITION

### Comments

very good — excellent

20x20

**Identification check**

[illegible]

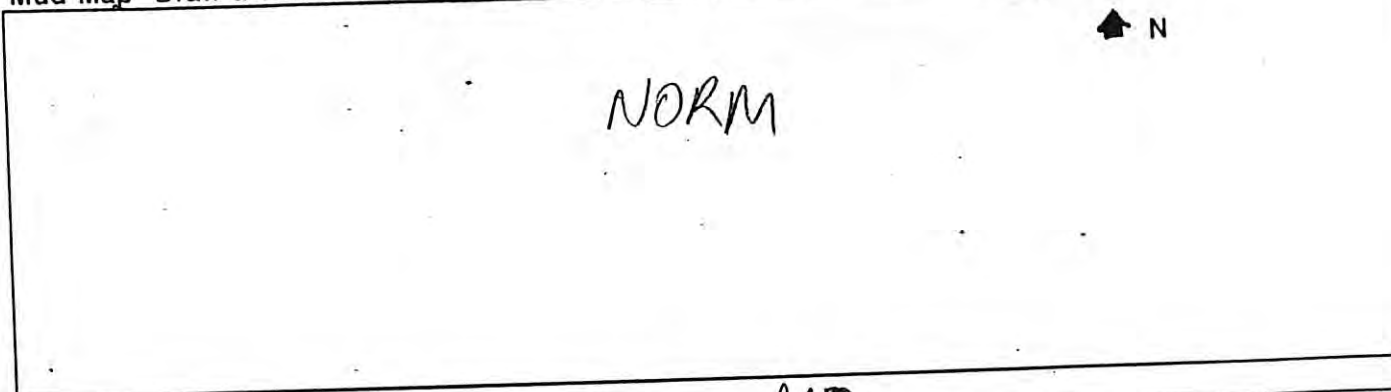
# BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER 03  
 DATE TRIP 14-6-1999 RECORDERS NG/9K  
 DATE TRIP 20-10-99 RECORDERS AW/NG/9K  
 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

Minicup NR

Geographic Location

Latitude NORM S Longitude

E Altitude

Reference Map

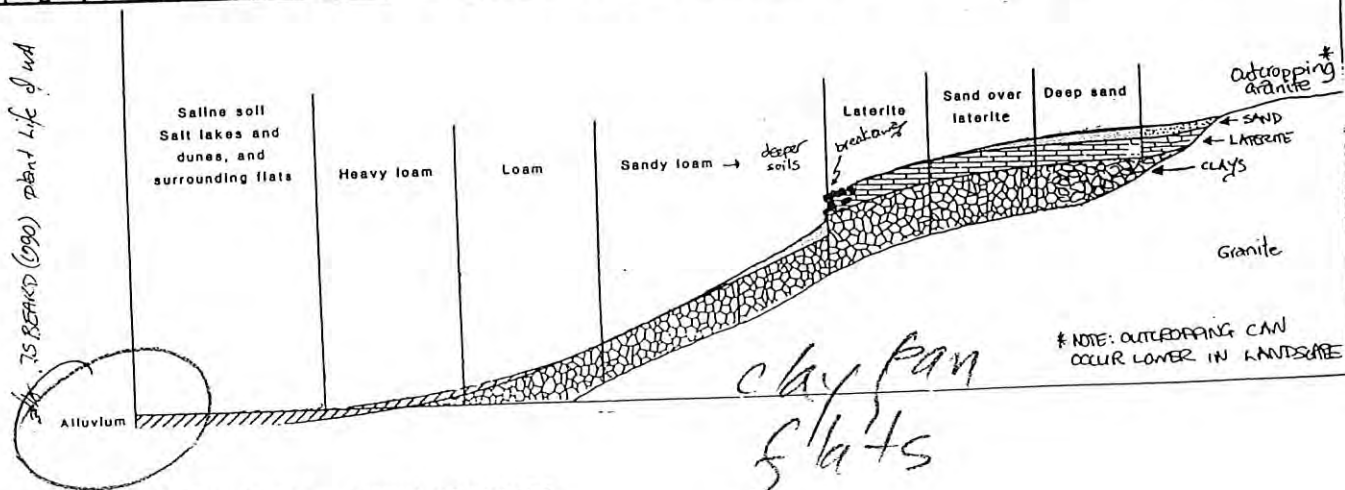
Photograph

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.

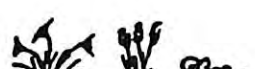
|                  |                          |               |                               |
|------------------|--------------------------|---------------|-------------------------------|
| Slope            | <u>flat</u> gentle steep | Aspect        | N NE E SE S SW W NW           |
| Surface Soil     | <u>sandy clay</u>        | Colour        | <u>grey</u>                   |
| Exposed rock     | type                     | % surface     |                               |
| Sub-surface Soil | <u>clay</u>              | Colour        | <u>grey</u>                   |
| Rock             | type                     | depth to rock | <u>&gt;1m</u>                 |
| Drainage         | well mod <u>poor</u>     | depth water   | <u>10</u> cm                  |
|                  |                          | Wet           | all year <u>winter/spring</u> |
| Litter           | <u>vs, twigs, stems</u>  | % cover       | <u>30/50</u>                  |
|                  | Dept: <u>2-5</u> cm      | Bare Ground   | <u>50</u> (%cover summer)     |

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

## 3. VEGETATION STRUCTURE AND COVER

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

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

| TREES            |                                                                                     |                                                                                     |                                                                                      |                                                                                      |                                                                                       | MALLEES                                                                               |     |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
|                  | over 15m                                                                            | 5-15m                                                                               | under 5m                                                                             | over 8m                                                                              | under 8m                                                                              |                                                                                       |     |
| LIFE FORM        |    |    |     |    |    | 30m                                                                                   | 10m |
| COVER CLASS (%)  | 2-10                                                                                |                                                                                     |                                                                                      |                                                                                      |                                                                                       |                                                                                       |     |
| DOMINANT SPECIES | Euc. wandoo<br>Euc. occid                                                           |                                                                                     |                                                                                      |                                                                                      |                                                                                       |                                                                                       |     |
| SHRUBS           |                                                                                     |                                                                                     |                                                                                      | SHRUBS                                                                               |                                                                                       |                                                                                       |     |
|                  | over 2m                                                                             | 2m - 1.5m                                                                           | 1.5 - 1m                                                                             | 1 - 0.5m                                                                             | under 0.5m                                                                            |                                                                                       |     |
| LIFE FORM        |   |   |    |  |  | 2m                                                                                    | 1m  |
| COVER CLASS (%)  | 2                                                                                   |                                                                                     |                                                                                      |                                                                                      | 10/30                                                                                 |                                                                                       |     |
| DOMINANT SPECIES | Melaleuca vim                                                                       |                                                                                     |                                                                                      |                                                                                      | Dodonaea humif                                                                        |                                                                                       |     |
| GRASSES          |                                                                                     | HERBS                                                                               |                                                                                      | SEDGES                                                                               |                                                                                       | over 0.5m                                                                             |     |
|                  |                                                                                     |                                                                                     |                                                                                      |                                                                                      |                                                                                       |                                                                                       |     |
| LIFE FORM        |  |  |  |  |   |  | 1m  |
| COVER CLASS (%)  | 2-10                                                                                | 30/70                                                                               |                                                                                      |                                                                                      |                                                                                       | 10/30                                                                                 |     |
| DOMINANT SPECIES | Amphibromus<br>Agrostis aven                                                        | In season<br>Drosera erythro                                                        |                                                                                      |                                                                                      |                                                                                       | Cheniz erodis<br>MecGoldinia                                                          |     |

## 4. VEGETATION CONDITION

Comments

excellent

20x20

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

Record on Sheet

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

20-10-99

Thysanotus 20/10.  
Sclerurus sp Indrag 20/10 (USA)

~~X Trachymene pinnatisida~~  
 + ~~Entaxia microphylla~~ (USA)  
 X/Drakonovichs barbarosa 2/11/00

✓ *Aira coryophylla* -

*Briza minor* -

*Eryngium* sp (Lake Muir) -

✓ *Aphelia nutans* -

✓ *Thysanotus tenellus* (VSP) -

✓ *Schoenus bifidus* (VSP) -

// " sp I -

" sp II (~~? elegans~~) plumosa -

*Hydrocotyle* sp (Calliampa) -

✓ *Poretuella latifolia* -

*Sesuvium ovata* -

✓ *Myriophyllum isoetes* (VSP) -

*Phyllanthus patens* -

✓ *Acaulis glaberrima* -

✓ *Galium murale* -

✓ *Goodenia minutifolia* -

✓ ~~*Thysanotus tenellus*~~

✓ *Goodenia occidentalis* -

✓ *Stylidium rhaphidum* 2/11/02 -

See up dated  
sheets with  
OCT 2000  
rescores

# RVEY RECORDING SHEET 1- use pencil only

IN SITE NUMBER  $\phi 3$   
999 RECORDERS NG/GK  
99 RECORDERS AW/NG/GK  
RECORDERS

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

cation of the site below.



NORM

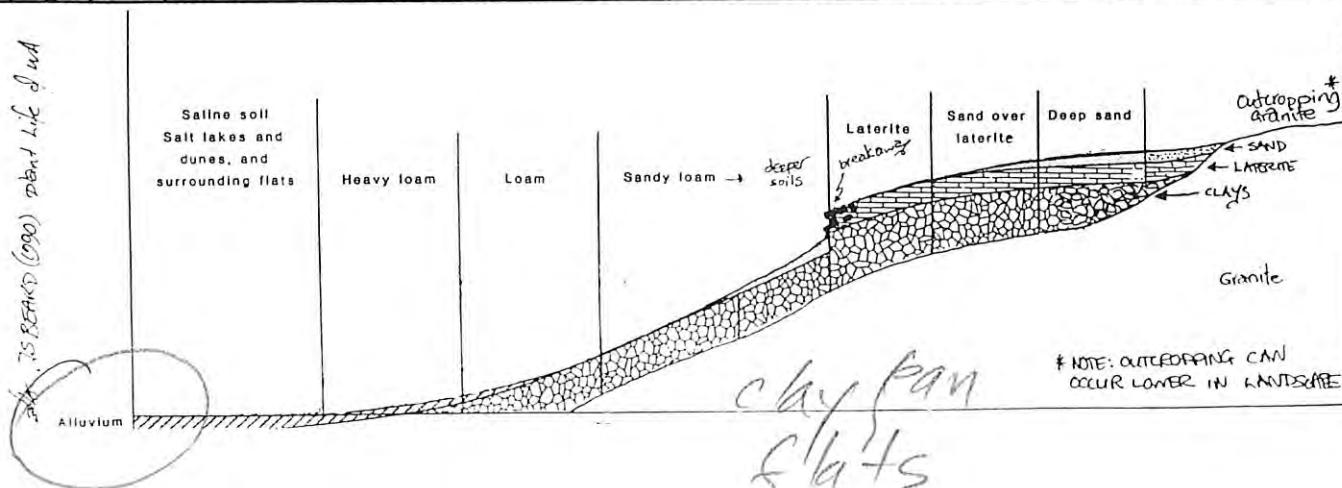
Road Location

Minicup NR

Geographic Location Latitude NORM S Longitude E Altitude  
Reference Map

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     | sandy clay       |        |       | Colour        | grey  |    |   |             |             |    |               |    |
| Exposed rock     | type             |        |       | % surface     |       |    |   |             |             |    |               |    |
| Sub-surface Soil | clay             |        |       | Colour        | grey  |    |   |             |             |    |               |    |
| Rock             | type             |        |       | depth to rock | 21m   |    |   |             |             |    |               |    |
| Drainage         | well             | mod    | poor  | depth water   | 10 cm |    |   | Wet         | all year    |    | winter/spring |    |
| Litter           | vs. twigs, stems |        |       | % cover       | 30/50 |    |   | Bare Ground | 50 (summer) |    |               |    |
|                  | Dept! 2-5        |        |       | cm            |       |    |   |             |             |    |               |    |

excellent

20x20

same

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

Record on Sheet

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

20-10-99

[illegible]

X ~~Drak~~ Eutaxia  
X Drakonarchis

**BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only**

BUSHLAND AREA UN SITE NUMBER 04  
 DATE TRIP 14-6-1999 RECORDERS NG/GK  
 DATE TRIP 20-10-1999 RECORDERS AW/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.



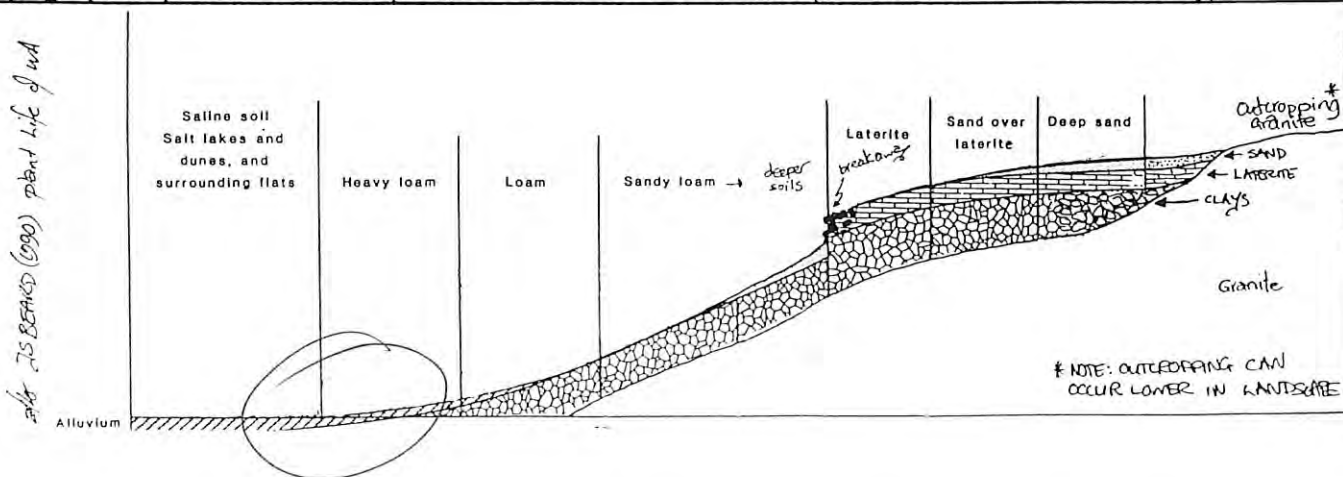
Road Location NORM / Unnamed Reserve (Tene/Forrester road)

Geographic Location Latitude NORM S Longitude \_\_\_\_\_ E Altitude \_\_\_\_\_

Reference Map \_\_\_\_\_

Photograph \_\_\_\_\_ Photographer's Name NG Photo No 29

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



**2. SITE DATA** Circle the correct response.

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

Surface Soil sandy clay Colour grey  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil clay Colour grey  
 Rock type \_\_\_\_\_ depth to rock \_\_\_\_\_

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

Litter 1/4 bark % cover 10/30 Bare Ground 50 % cover  
 Depth 2-5 cm

All trees, most understory dead  
Melaleuca shrubs increasing in plot  
Scaevola invading & salinated

20720

Exc. wandoo -  
(dead)

• Column 1 plant name

**Record on Sheet**

Date 14 - 6 - 1999

- Column 2 plant number

- Column 2 plant number
- Column 3 flowering time- TICK if species flowering

- Column 4 Identification check

| Date 14-10-99<br>20-10-1999         |    |    |    | • Column 3 flowering time       |    |    |    | • Column 4 identification check             |    |    |    | No | FI | ID |
|-------------------------------------|----|----|----|---------------------------------|----|----|----|---------------------------------------------|----|----|----|----|----|----|
| TREES                               | No | FI | ID | SHRUBS (cont.)                  | No | FI | ID | HERBS (cont.)                               | No | FI | ID | No | FI | ID |
| <i>Euc. occidentalis</i>            |    |    |    |                                 |    |    |    | 20/10/1999<br>x <i>Cotula coronopifolia</i> |    |    |    |    |    |    |
|                                     |    |    |    |                                 |    |    |    | x <i>Schoenus</i>                           |    |    |    |    |    |    |
|                                     |    |    |    |                                 |    |    |    | x <i>Isolepis setiformis</i> (un?)          |    |    |    |    |    |    |
|                                     |    |    |    |                                 |    |    |    | x <i>Triglochin mucronata</i>               |    |    |    |    |    |    |
|                                     |    |    |    |                                 |    |    |    | x <i>Juncus batonius</i>                    |    |    |    |    |    |    |
|                                     |    |    |    |                                 |    |    |    | x <i>Samolus purpureus</i>                  |    |    |    |    |    |    |
| MALLEES                             |    |    |    |                                 |    |    |    | x <i>Trifolium dubium</i>                   |    |    |    |    |    |    |
|                                     |    |    |    | GRASSES                         |    |    |    | x <i>Brija minor</i>                        |    |    |    |    |    |    |
|                                     |    |    |    | <i>Vulpia myuros</i>            |    |    |    | x <i>Lolium rigidum</i>                     |    |    |    |    |    |    |
|                                     |    |    |    | <i>Hordium marinigenic</i>      |    |    |    | x <i>Antropodium preissii</i>               |    |    |    |    |    |    |
| SHRUBS                              |    |    |    |                                 |    |    |    | x <i>Triglochin ealetrapura</i> nancur      |    |    |    |    |    |    |
| <i>Melaleuca viminea</i>            |    |    |    |                                 |    |    |    | x <i>Schoenus elegans</i>                   |    |    |    |    |    |    |
| <i>Halosarcia indica</i>            |    |    |    |                                 |    |    |    | SEDGES                                      |    |    |    |    |    |    |
| <i>Xanthorrhoea preissii</i> (dead) |    |    |    |                                 |    |    |    | <i>Meeboldinia canus</i>                    |    |    |    |    |    |    |
|                                     |    |    |    | HERBS                           |    |    |    | 20/10/99                                    |    |    |    |    |    |    |
|                                     |    |    |    | <i>Pellereophyton dealbatum</i> |    |    |    | x <i>Phyllanthium</i> (too small)           |    |    |    |    |    |    |
|                                     |    |    |    | <i>Centrolepis polygyna</i>     |    |    |    | x <i>Hydrocotyle</i> (too young)            |    |    |    |    |    |    |

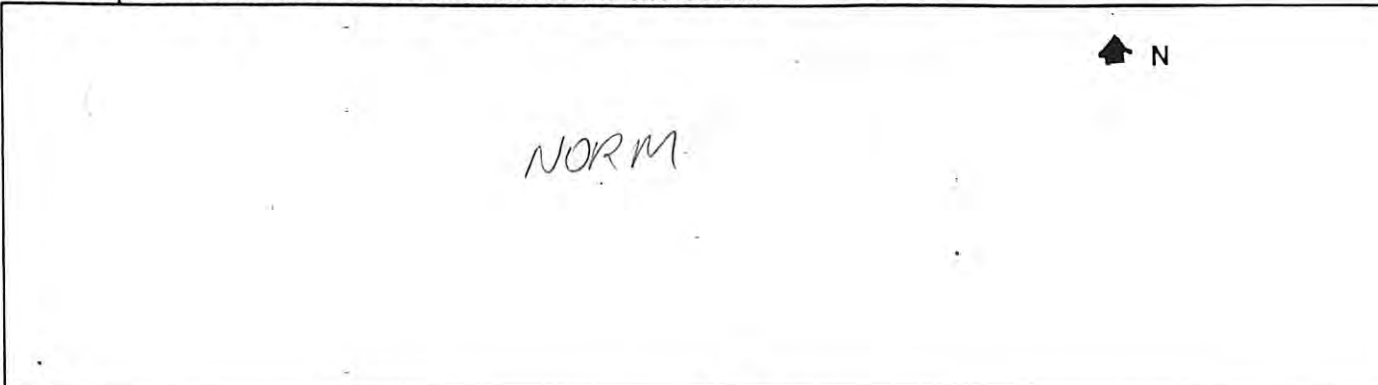
**BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only**

BUSHLAND AREA UN SITE NUMBER 05  
 DATE TRIP 14/01/1999 RECORDERS NG/GK  
 DATE TRIP 20-10-1999 RECORDERS AW/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.

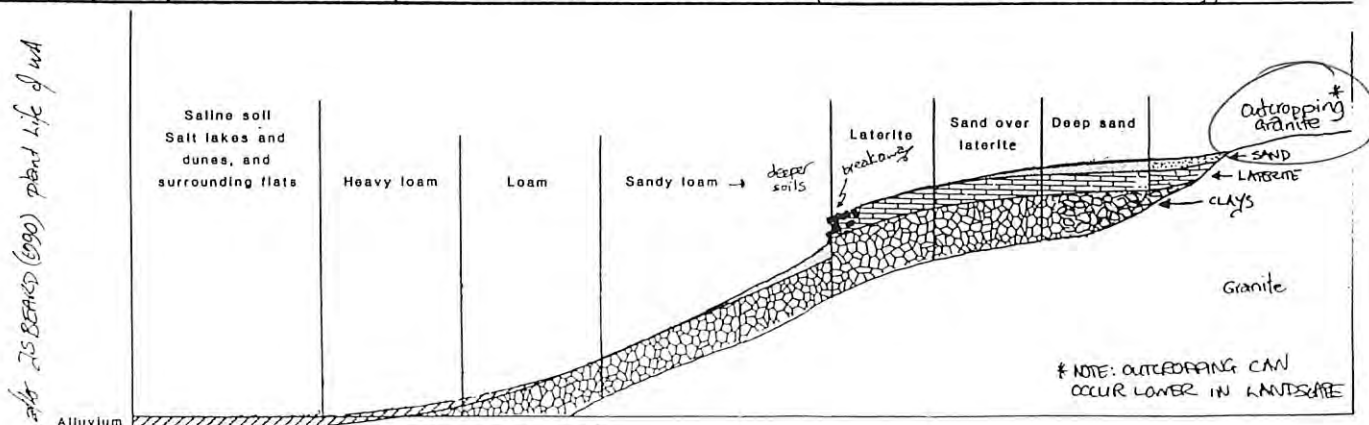


Road Location NORM / Melbinup NR

Geographic Location Latitude NORM S Longitude \_\_\_\_\_ E Altitude \_\_\_\_\_  
 Reference Map \_\_\_\_\_

Photograph \_\_\_\_\_ Photographer's Name NG 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 gritty loam Colour red-brown  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil clay loam Colour \_\_\_\_\_  
 Rock type granite depth to rock 20-20cm

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

Litter lvs, twigs % cover 30/40 Bare Ground 0 %cover \_\_\_\_\_  
 Depth 2-5 cm

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

## 3. VEGETATION STRUCTURE AND COVER

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

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

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

| SHRUBS           |                                                                                    |                                                                                     |                                                                                    | SHRUBS                                                                                |                                                                                       |
|------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                  | over 2m                                                                            | 2m - 1.5m                                                                           | 1.5 - 1m                                                                           | 1 - 0.5m                                                                              | under 0.5m                                                                            |
| LIFE FORM        |  |  |  |  |  |
| COVER CLASS (%)  | 2                                                                                  |                                                                                     | 2                                                                                  |                                                                                       | 10/30                                                                                 |
| DOMINANT SPECIES | <i>Hakea prostrata</i><br><i>Viminaria juncea</i>                                  |                                                                                     | <i>Xanth. preussii</i>                                                             |                                                                                       | <i>Daviesia triflora</i>                                                              |

| GRASSES          |                                                                                     | HERBS                                                                               | SEDGES                                                                               | SEDGES                                                                                |  |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
|                  |                                                                                     |                                                                                     | over 0.5m                                                                            | under 0.5m                                                                            |  |
| LIFE FORM        |  |  |  |  |  |
| COVER CLASS (%)  | 30/70                                                                               | >70                                                                                 |                                                                                      | 30/70                                                                                 |  |
| DOMINANT SPECIES | <i>Themeda triand</i><br><i>Stipa</i><br><i>Danthonia</i>                           | <i>Brya sphaeroceph</i><br><i>Stylid unifl</i>                                      |                                                                                      | <i>Desmod. asper</i>                                                                  |  |

Neerachre

## 4. VEGETATION CONDITION

Comments

excellent - very good  
frozed in past, local patches grassy  
weeds

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

20-10-1990

*Euc. rudis* -

[illegible]

x Cicindea quadring  
✓ Air cng.

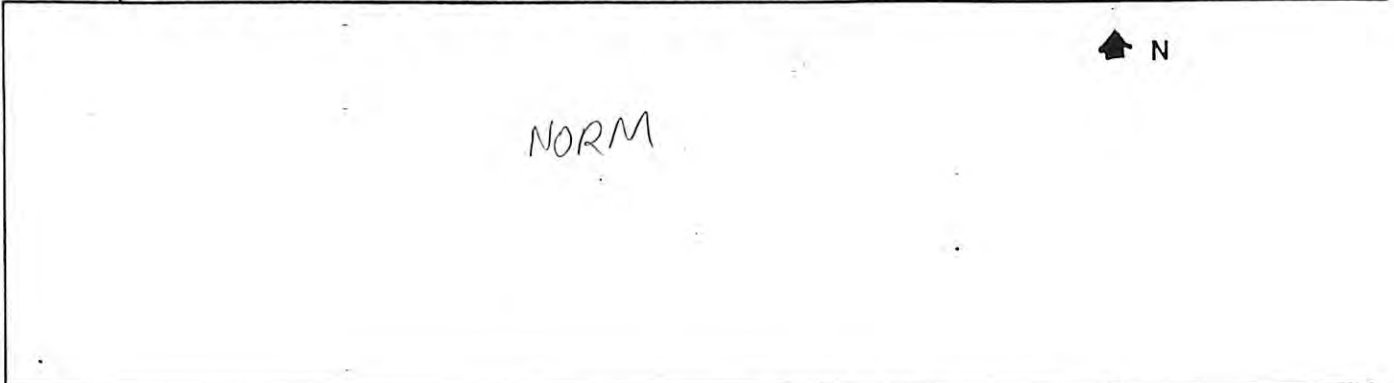
**BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only**

BUSHLAND AREA UN SITE NUMBER 06  
 DATE TRIP 14-6-1999 RECORDERS NG/GK  
 DATE TRIP 20-10-1999 RECORDERS AW/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.

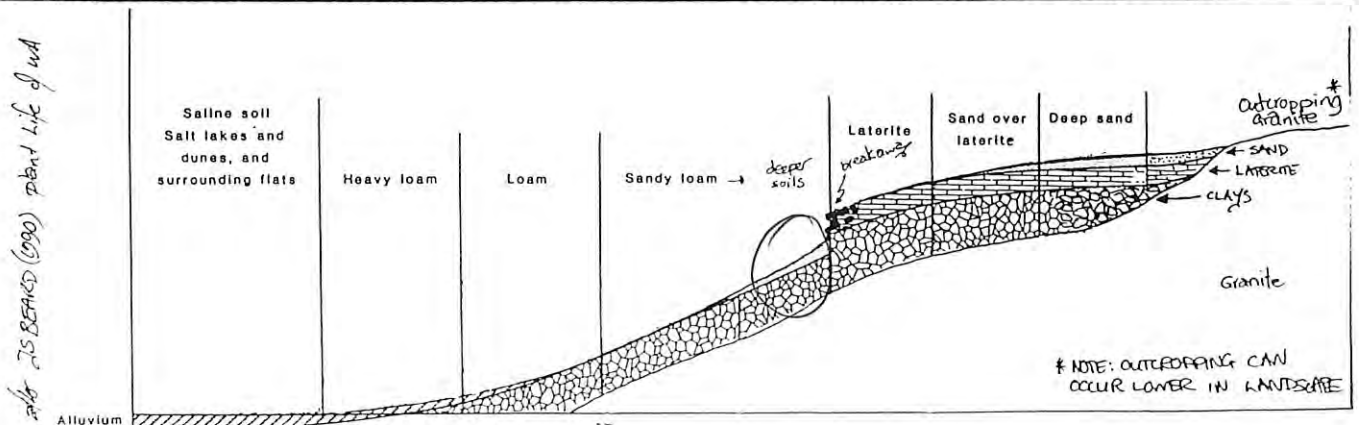


Road Location NORM / Melihinup NR

Geographic Location Latitude NORM S Longitude \_\_\_\_\_ E Altitude \_\_\_\_\_  
 Reference Map \_\_\_\_\_

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

Surface Soil type sandy loam Colour brown  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil type clayey loam Colour brown  
 Rock type laterite depth to rock >1m

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

Litter Wh. twigs % cover 70 Bare Ground <10 % cover \_\_\_\_\_  
 Depth 2-10 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%                                                                     |
| <b>TREES</b>                                                                                |                                                                               |                              |               |                       |                                                                              |
|                                                                                             | over 15m                                                                      | 5-15m                        | under 5m      | over 8m               | under 8m                                                                     |
| LIFE FORM                                                                                   |                                                                               |                              |               |                       |                                                                              |
| COVER CLASS (%)                                                                             | 10/30                                                                         |                              |               |                       |                                                                              |
| DOMINANT SPECIES                                                                            | <i>Euc. wandoo</i><br><i>Euc. calophylla</i>                                  |                              |               |                       |                                                                              |
| <b>SHRUBS</b>                                                                               |                                                                               |                              |               |                       |                                                                              |
|                                                                                             | over 2m                                                                       | 2m - 1.5m                    | 1.5 - 1m      | 1-0.5m                | under 0.5m                                                                   |
| LIFE FORM                                                                                   |                                                                               |                              |               |                       |                                                                              |
| COVER CLASS (%)                                                                             |                                                                               | 2-10                         |               | 30/70                 | 10-30                                                                        |
| DOMINANT SPECIES                                                                            |                                                                               | <i>Xanthorrhoea preissii</i> |               | <i>Gastrol. calyc</i> | <i>Hypocalymen angus</i><br><i>Halimolobos</i><br><i>Hibbertia comm</i>      |
| <b>GRASSES</b>                                                                              |                                                                               | <b>HERBS</b>                 | <b>SEDGES</b> | over 0.5m             | under 0.5m                                                                   |
| LIFE FORM                                                                                   |                                                                               |                              |               |                       |                                                                              |
| COVER CLASS (%)                                                                             | 30-70                                                                         | 30/70                        |               |                       | > 30-70                                                                      |
| DOMINANT SPECIES                                                                            | <i>Avena barbata</i><br><i>Neurachne alopecuroides</i><br><i>Briza maxima</i> | <i>Burchardia umbellata</i>  |               |                       | <i>Harperia lateriflora</i><br><i>Lepidosperma</i><br><i>Desmodium asper</i> |

#### 4. VEGETATION CONDITION

### Comments

$$20 \times 20$$

Same

### Record on Sheet

SITE No UN 06  
Date 14-6-1999  
30-10-1999

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

[illegible]

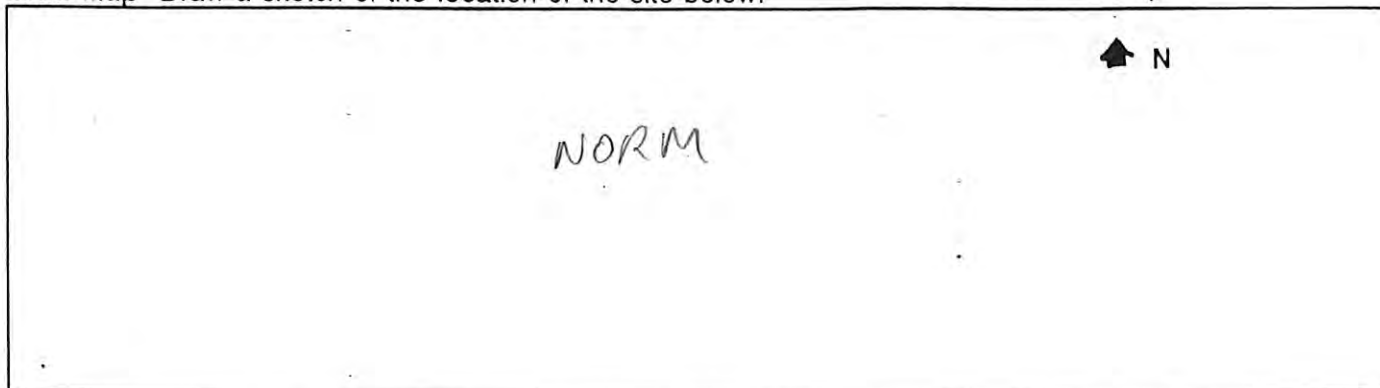
# BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER 07  
 DATE TRIP 13-6-1999 RECORDERS NG/GK  
 DATE TRIP 20-10-99 RECORDERS AW/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.

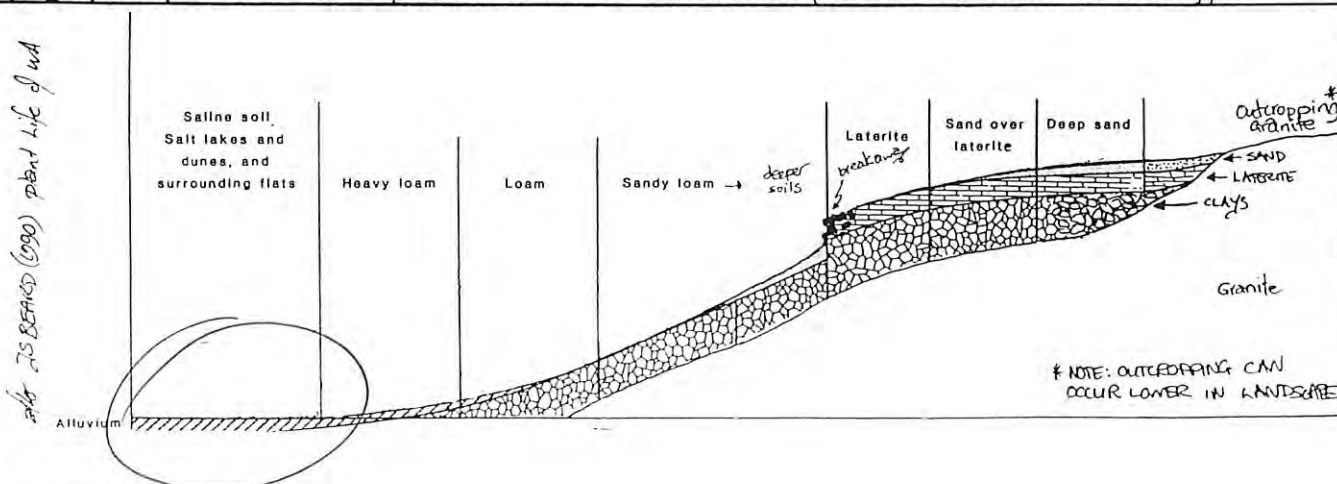


Road Location KULALIN RD. NR

Geographic Location Latitude NORM S Longitude \_\_\_\_\_ E Altitude \_\_\_\_\_  
 Reference Map \_\_\_\_\_

Photograph \_\_\_\_\_ Photographer's Name NG Photo No 19

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



## 2. SITE DATA Circle the correct response.

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

Surface Soil sand Colour grey  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil sand Colour white  
 Rock type \_\_\_\_\_ depth to rock \_\_\_\_\_

Drainage well mod poor depth water cm Wet not flooded all year winter/spring

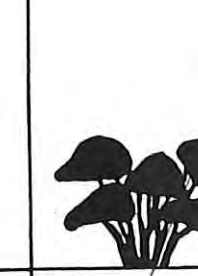
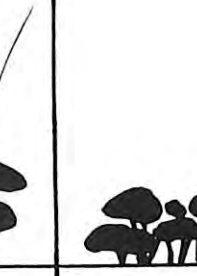
Litter twigs, lvs, stems % cover 25/90 Bare Ground 10 % cover 5/10  
 Depth 5-10 cm

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

### 3. VEGETATION STRUCTURE AND COVER

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

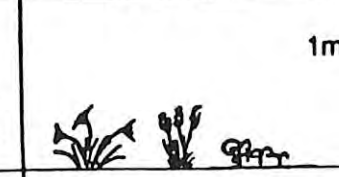
| Cover Class | 2-10% | 10-30% | 30 - 70% | over 70% |
|-------------|-------|--------|----------|----------|
|-------------|-------|--------|----------|----------|

|                  | TREES                                                                             |                                                                                   |                                                                                   | MALLEES                                                                            |                                                                                     |
|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                  | over 15m                                                                          | 5-15 m                                                                            | under 5 m                                                                         | over 8m                                                                            | under 8m                                                                            |
| LIFE FORM        |  |  |  |  |  |
| COVER CLASS (%)  | 2-10                                                                              | /                                                                                 | 2-10                                                                              | /                                                                                  | 10-30                                                                               |
| DOMINANT SPECIES | Euc. margin                                                                       | /                                                                                 | Mel. preissiana                                                                   | /                                                                                  | Euc. decipiens                                                                      |

|                  | 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 | /                                                                                  | Pericalym. ellip<br>Xanthorrh. preiss<br>Kunzea racemosa                           | /                                                                                  | /                                                                                   | Hypocalym. angus<br>Asteraea (pink)                                                  |

|                  | GRASSES                                                                             | HERBS                                                                               | SEDGES over 0.5m                                                                     | under 0.5m                                                                            |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| LIFE FORM        |  |  |  |  |
| COVER CLASS (%)  | ???                                                                                 | 10/30                                                                               | /                                                                                    | 10-3+                                                                                 |
| DOMINANT SPECIES |                                                                                     | Conostylis acal<br>Stylidium spath<br>Drosera erythroz                              | /                                                                                    | Cyathoch. arena<br>Hypolaena exsulica<br>Anarthria prolif                             |

#### 4. VEGETATION CONDITION

### Comments

excellent

**BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only**

name if required  
Euc. calophylla  
Banksia littoralis

**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

*Euc. cal.*

*...*

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**

occurs  
N of  
rate

predominant

usr

*Alibertia teretifolia* 29/10

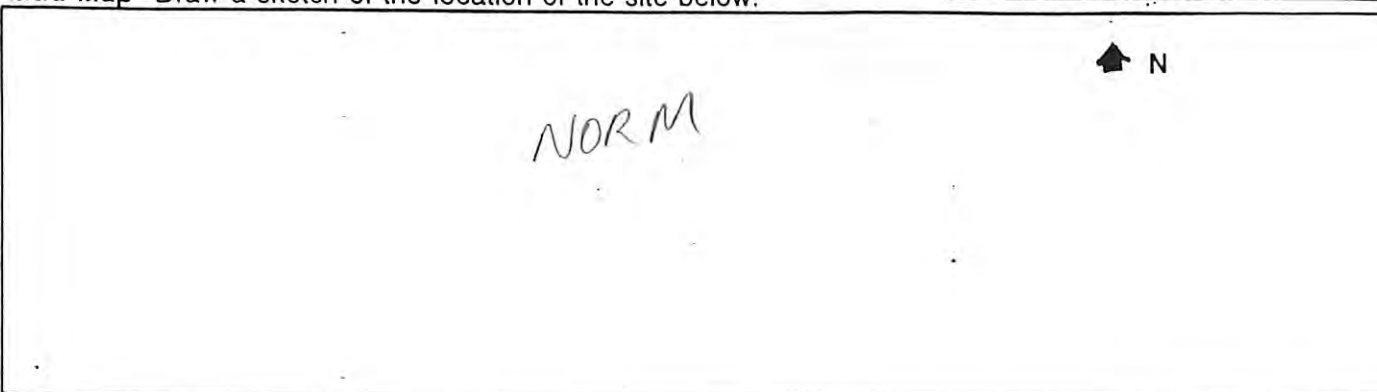
# BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER 08  
 DATE TRIP 13-6-1998 RECORDERS NG/GK  
 DATE TRIP 20-10-99 RECORDERS AW/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.

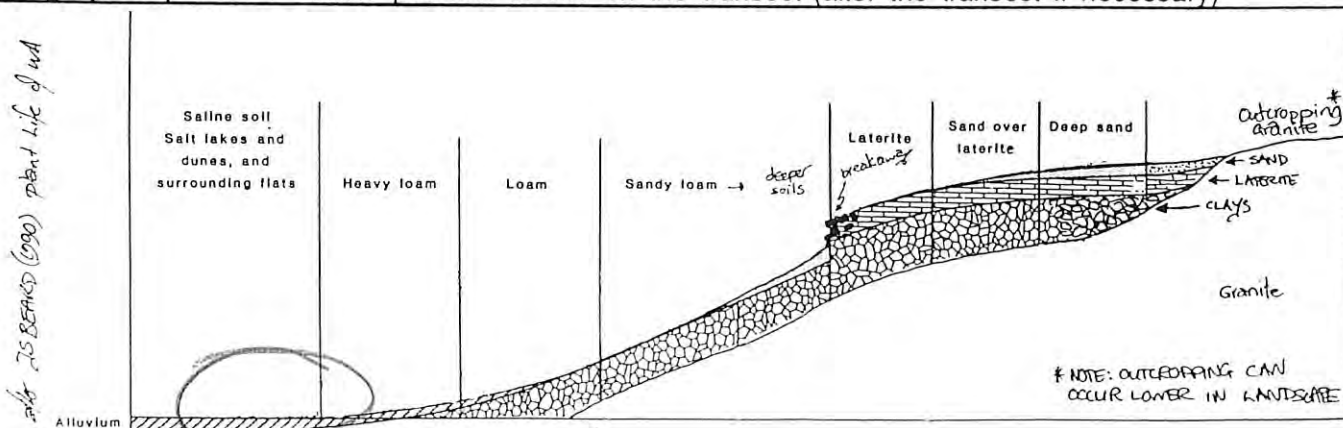


Road Location KULUHINUP N.P. RD

Geographic Location Latitude NORM S Longitude \_\_\_\_\_ E Altitude \_\_\_\_\_  
 Reference Map

Photograph Photographer's Name NG Photo No 18

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



## 2. SITE DATA Circle the correct response.

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

Surface Soil sandy clay Colour orange  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil clay Colour orange-brown  
 Rock type laterite sheet depth to rock 30cm

Drainage well mod poor depth water 10 cm Wet all year winter/spring

Litter twigs % cover 10/30 Bare Ground 70 %cover \_\_\_\_\_  
 Depth 2 cm

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

## 3. VEGETATION STRUCTURE AND COVER

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

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

|                  | TREES                                                                               |                                                                                     |                                                                                      | MALLEES                                                                               |                                                                                       |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                  | over 15m                                                                            | 5-15m                                                                               | under 5m                                                                             | over 8m                                                                               | under 8m                                                                              |
| LIFE FORM        |    |    |     |     |    |
| COVER CLASS (%)  |                                                                                     |                                                                                     | 10-30                                                                                |                                                                                       |                                                                                       |
| DOMINANT SPECIES |                                                                                     |                                                                                     | Mel. cuticularis                                                                     |                                                                                       |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|                  | SHRUBS                                                                              |                                                                                     |                                                                                      |                                                                                       | SHRUBS                                                                                |
|                  | over 2m                                                                             | 2m - 1.5m                                                                           | 1.5 - 1m                                                                             | 1 - 0.5m                                                                              | under 0.5m                                                                            |
| LIFE FORM        |   |  |    |  |  |
| COVER CLASS (%)  | 10/30                                                                               |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| DOMINANT SPECIES | Mel. spathulata                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|                  | GRASSES                                                                             | HERBS                                                                               | SEDGES                                                                               | over 0.5m                                                                             |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                      | under 0.5m                                                                            |                                                                                       |
| LIFE FORM        |  |  |  |  |                                                                                       |
| COVER CLASS (%)  | L2                                                                                  | 70/30                                                                               |                                                                                      | L2                                                                                    |                                                                                       |
| DOMINANT SPECIES | ?                                                                                   | ?                                                                                   |                                                                                      |                                                                                       |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |

## 4. VEGETATION CONDITION

Comments

flooded  
salinated

poor

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**

Same

[illegible]

**BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only**

BUSHLAND AREA UN SITE NUMBER Ø9  
 DATE TRIP 12-6-1999 RECORDERS NG/GK  
 DATE TRIP 19-20-1999 RECORDERS AW/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.



NORM

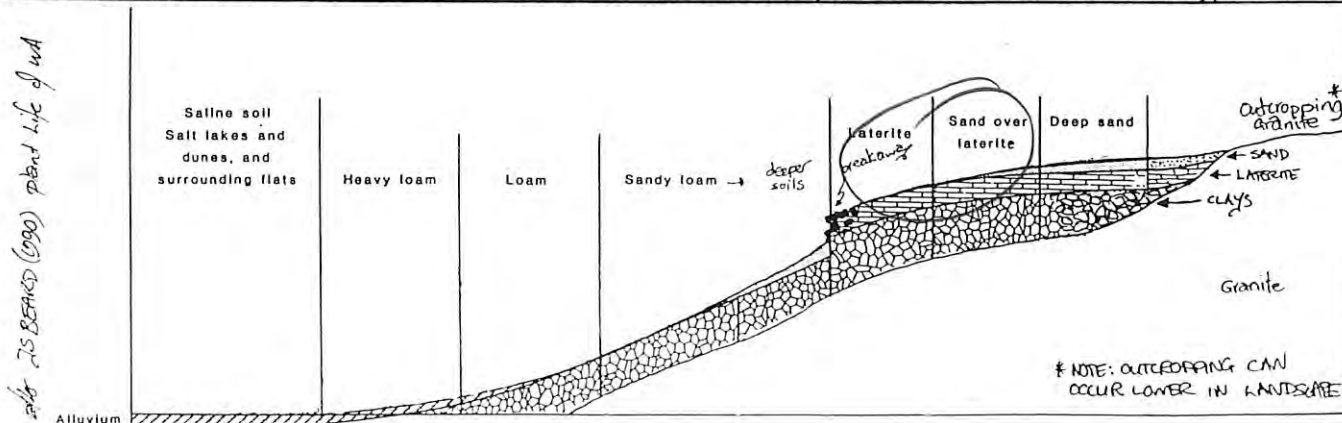
Road Location QUINDINUP. NATURE RESERVE

Geographic Location Latitude NORM S Longitude \_\_\_\_\_ E Altitude \_\_\_\_\_

Reference Map

Photograph \_\_\_\_\_ Photographer's Name NG Photo No 17

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



**2. SITE DATA** Circle the correct response.

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

Surface Soil lateritic sand Colour orange  
 Exposed rock type pebbles laterite % surface 20

Sub-surface Soil laterite Colour \_\_\_\_\_  
 Rock type laterite depth to rock \_\_\_\_\_

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

Litter lv, twigs % cover 70/90 Bare Ground 10/30 %cover  
 Depth 2-5 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 in each layer. |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Cover Class                                                                                                |                                                                                     | 2-10%                                                                               | 10-30%                                                                               | 30-70%                                                                                | over 70%                                                                              |
| <b>TREES</b>                                                                                               |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|                                                                                                            | over 15m                                                                            | 5-15m                                                                               | under 5m                                                                             | over 8m                                                                               | under 8m                                                                              |
| LIFE FORM                                                                                                  |    |    |     |     |    |
| COVER CLASS (%)                                                                                            | 30/70                                                                               |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| DOMINANT SPECIES                                                                                           | <i>Euc. margin</i><br><i>Euc. calophylla</i>                                        |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| <b>SHRUBS</b>                                                                                              |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|                                                                                                            | 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>Bossia linophylla</i><br><i>Macroz. reedii</i>                                   |                                                                                      |                                                                                       | <i>Leucop. revolut</i><br><i>Hibbertia commut</i>                                     |
| <b>GRASSES</b>                                                                                             |                                                                                     | <b>HERBS</b>                                                                        | <b>SEDGES</b>                                                                        | over 0.5m                                                                             |                                                                                       |
| LIFE FORM                                                                                                  |  |  |  |  |                                                                                       |
| COVER CLASS (%)                                                                                            | 42                                                                                  | 2                                                                                   |                                                                                      | 2-10                                                                                  |                                                                                       |
| DOMINANT SPECIES                                                                                           |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |

#### 4. VEGETATION CONDITION

### Comments

very good - excellent  
bunt ca 5/6 yrs ago

20720

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

Record on Sheet

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

same

| • Column 4 identification check |  |  |    |    |    |                          |  |  |    |    |       |                                |  |  |    |    |    |
|---------------------------------|--|--|----|----|----|--------------------------|--|--|----|----|-------|--------------------------------|--|--|----|----|----|
| TREES                           |  |  | No | FI | ID | SHRUBS (cont.)           |  |  | No | FI | ID    | HERBS (cont.) 19/10/99         |  |  | No | FI | ID |
| Euc. calophylla -               |  |  |    |    |    |                          |  |  |    |    |       | x Millotia tenuiflora -        |  |  |    |    |    |
| Euc. marginata -                |  |  |    |    |    |                          |  |  |    |    |       | x Opercularia hispidula -      |  |  |    |    |    |
|                                 |  |  |    |    |    |                          |  |  |    |    |       | x Thelymitra pauciflora -      |  |  |    |    |    |
|                                 |  |  |    |    |    |                          |  |  |    |    |       | x Daucus glochid -             |  |  |    |    |    |
|                                 |  |  |    |    |    |                          |  |  |    |    |       | x Logania (serpyllifolia) -    |  |  |    |    |    |
|                                 |  |  |    |    |    |                          |  |  |    |    |       | x Senecio ? glaberrimus -      |  |  |    |    |    |
|                                 |  |  |    |    |    |                          |  |  |    |    |       | x Vulpia myuros -              |  |  |    |    |    |
| MALLEES                         |  |  |    |    |    |                          |  |  |    |    |       | x Leptochloa pusilla -         |  |  |    |    |    |
|                                 |  |  |    |    |    | GRASSES                  |  |  |    |    |       | x Hira coryophylla -           |  |  |    |    |    |
|                                 |  |  |    |    |    | Tetrarrhaena laevis -    |  |  |    |    |       | x Velleia thymivus -           |  |  |    |    |    |
|                                 |  |  |    |    |    | Danthonia -              |  |  |    |    |       | x Opercularia apiculata -      |  |  |    |    |    |
|                                 |  |  |    |    |    |                          |  |  |    |    |       | x Thysanotus thyrsoides -      |  |  |    |    |    |
|                                 |  |  |    |    |    |                          |  |  |    |    |       | x Tetratheca ephedra affinis - |  |  |    |    |    |
| SHRUBS                          |  |  |    |    |    |                          |  |  |    |    |       | SEDGES                         |  |  |    |    |    |
| Macrozamia riedlei -            |  |  |    |    | ✓  |                          |  |  |    |    |       | Desmodium fasciculatum -       |  |  |    |    |    |
| Bossia linophylla -             |  |  |    |    | ✓  |                          |  |  |    |    |       |                                |  |  |    |    |    |
| Leucopogon verticillatus -      |  |  |    |    |    |                          |  |  |    |    |       |                                |  |  |    |    |    |
| Scaevola phlebopoda -           |  |  |    |    |    |                          |  |  |    |    |       |                                |  |  |    |    |    |
| Lomatium scrobiculatum -        |  |  |    |    |    |                          |  |  |    |    |       |                                |  |  |    |    |    |
| Hibbertia cunninghamii -        |  |  |    |    |    |                          |  |  |    |    |       | 19-10-1999                     |  |  |    |    |    |
| " commutata -                   |  |  |    |    |    |                          |  |  |    |    |       | x Xanthosia huegelii -         |  |  |    |    |    |
| Hibbertia hypericoides -        |  |  |    |    |    |                          |  |  |    |    |       | x Hydrocotyle salicaria -      |  |  |    |    |    |
| Hakea lissocarpha -             |  |  |    |    |    | HERBS                    |  |  |    |    |       | x Tricoryne humilis -          |  |  |    |    |    |
| Astroloma ciliatum -            |  |  |    |    |    | Lomandra hermaphrodita - |  |  |    |    |       | x Caladenia macrostylis -      |  |  |    |    |    |
| Leucopogon propinquus -         |  |  |    |    |    | Xanthosia candida -      |  |  |    |    |       | x Thysanotus multiflorus -     |  |  |    |    |    |
| Clematis pubescens -            |  |  |    |    | ✓  | Lagenifera hughesii -    |  |  |    |    |       | x Microlaena stipitata -       |  |  |    |    |    |
|                                 |  |  |    |    |    | Drosera -                |  |  |    |    |       | x Lomandra caespitosa -        |  |  |    |    |    |
|                                 |  |  |    |    |    | Eriochilus dilatatus -   |  |  |    |    |       | x Waitzia citrina -            |  |  |    |    |    |
|                                 |  |  |    |    |    | Lomandra sericea -       |  |  |    |    |       | x Stylidium amnemonum -        |  |  |    |    |    |
|                                 |  |  |    |    |    | Pterostylis vittata -    |  |  |    |    | (vsp) | x Thelymitra graminifolia -    |  |  |    |    |    |
|                                 |  |  |    |    |    | Chaenactis corymbosa -   |  |  |    |    |       | pauciflora -                   |  |  |    |    |    |
|                                 |  |  |    |    |    | Lomandra caespitosa -    |  |  |    |    |       |                                |  |  |    |    |    |
|                                 |  |  |    |    |    | Dianella revoluta -      |  |  |    |    |       |                                |  |  |    |    |    |

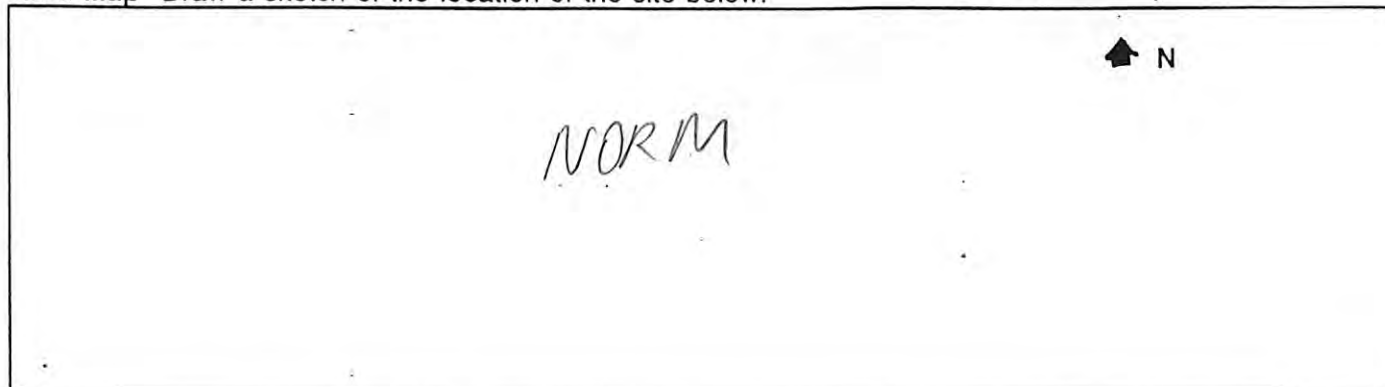
**BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only**

BUSHLAND AREA UN SITE NUMBER 10  
 DATE TRIP 12-6-1999 RECORDERS NG/GK  
 DATE TRIP 19-10-1999 RECORDERS AW/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.



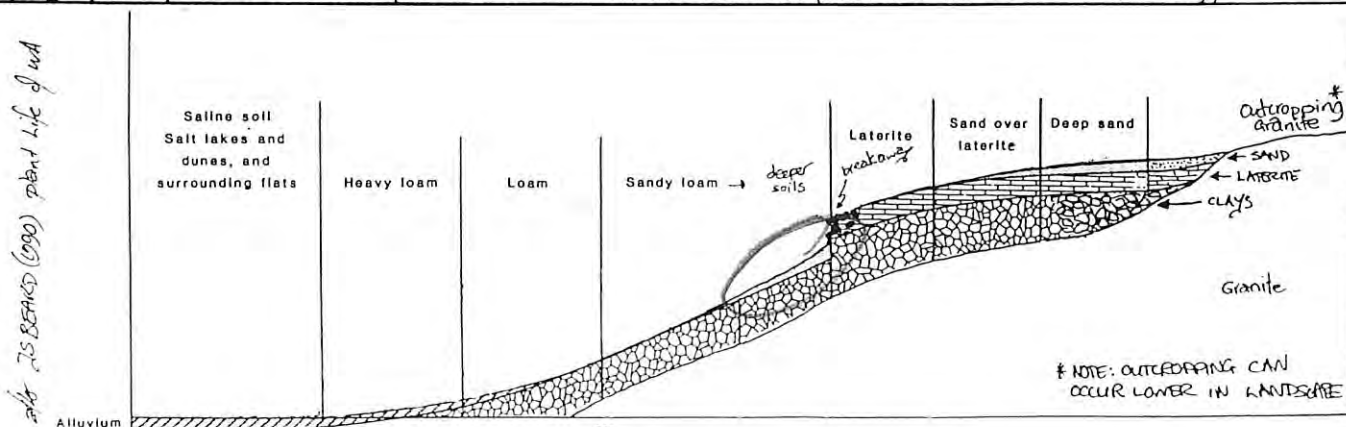
Road Location QUINDINUP Nature Reserve

Geographic Location Latitude Norm S Longitude \_\_\_\_\_ E Altitude \_\_\_\_\_

Reference Map \_\_\_\_\_

Photograph \_\_\_\_\_ Photographer's Name NG Photo No 16

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



**2. SITE DATA** Circle the correct response.

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

Surface Soil sand Colour grey  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil sand Colour grey  
 Rock type \_\_\_\_\_ depth to rock >1m

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

Litter vs, twigs % cover 70/90 Bare Ground <10 %cover  
 Depth 2-5 cm

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

### 3. VEGETATION STRUCTURE AND COVER

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

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

| TREES            |                                                                                   |                                                                                   |                                                                                   | MALLEES                                                                            |                                                                                     |
|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                  | over 15m                                                                          | 5-15m                                                                             | under 5m                                                                          | over 8m                                                                            | under 8m                                                                            |
| LIFE FORM        |  |  |  |  |  |
| COVER CLASS (%)  | 10/30                                                                             |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| 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 (%)  | 10/30                                                                               |                                                                                     |                                                                                     |                                                                                       | 30/70                                                                                 |
| DOMINANT SPECIES | <i>Xanth. pricisi</i>                                                               |                                                                                     |                                                                                     |                                                                                       | <i>Hypocaly angust</i><br><i>Baeckea camphor</i><br><i>Leucopogon capit</i>           |
|                  |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |

| GRASSES          |                                                                                     | HERBS                                                                               |                                                                                      | SEDGES    |                                                                                       |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------|
|                  |                                                                                     |                                                                                     |                                                                                      | over 0.5m | under 0.5m                                                                            |
| LIFE FORM        |  |  |  |           |  |
| COVER CLASS (%)  | 2-10                                                                                | 10/30/20                                                                            |                                                                                      |           | > 70                                                                                  |
| DOMINANT SPECIES |                                                                                     | <i>Paterson. occid</i><br><i>Conost. virg</i><br><i>Conost. acul</i>                |                                                                                      |           | <i>Mesom. tetrag</i><br><i>Hypolaena exsulta</i><br><i>Tetroria act</i>               |
|                  |                                                                                     |                                                                                     |                                                                                      |           |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                      |           |                                                                                       |

Lepidosp ang

#### 4. VEGETATION CONDITION

### Comments

excellent

20x20

*Euc. calophylla* -

## 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

19-10-1999

[illegible]

✓ H. G. Bertin Jensen 19/10.

X *Phyllangium paradox*  
X *Longchra caespitosa*

# BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER 11  
 DATE TRIP 13-6-1999 RECORDERS NG/GK  
 DATE TRIP 20-10-99 RECORDERS AW/NG/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.



NORM

Road Location

NORM / Lake Muir NR

Geographic Location Latitude

NORM

S Longitude

E Altitude

Reference Map

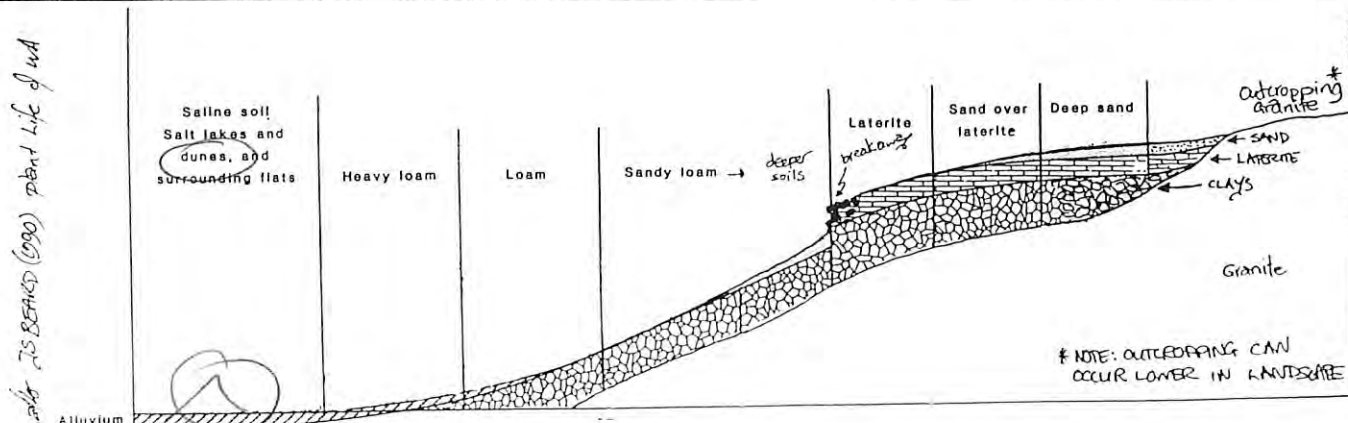
Photograph

Photographer's Name

NG

Photo No 21

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



## 2. SITE DATA Circle the correct response.

|                  |                  |               |              |             |              |         |          |               |              |           |   |    |
|------------------|------------------|---------------|--------------|-------------|--------------|---------|----------|---------------|--------------|-----------|---|----|
| Slope            | flat             | <u>gentle</u> | steep        | Aspect      | N            | NE      | E        | SE            | S            | <u>SW</u> | W | NW |
| Surface Soil     | <u>sand</u>      |               |              |             |              |         |          | Colour        | <u>grey</u>  |           |   |    |
| Exposed rock     | type             |               |              |             |              |         |          | % surface     |              |           |   |    |
| Sub-surface Soil | <u>sand</u>      |               |              |             |              |         |          | Colour        | <u>white</u> |           |   |    |
| Rock             | type             |               |              |             |              |         |          | depth to rock |              |           |   |    |
| Drainage         | <u>well</u>      | mod           | poor         | depth water | cm           | Wet     | all year | winter/spring |              |           |   |    |
| Litter           | <u>US, twigs</u> | % cover       | <u>50/70</u> | Bare Ground | <u>30/50</u> | % cover |          |               |              |           |   |    |
|                  | Depth            | <u>2-5</u>    | cm           |             |              |         |          |               |              |           |   |    |

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

## 3. VEGETATION STRUCTURE AND COVER

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

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

|                  | TREES                                                                               |                                                                                     |                                                                                     | MALLEES                                                                              |                                                                                       |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                  | over 15m                                                                            | 5-15m                                                                               | under 5m                                                                            | over 8m                                                                              | under 8m                                                                              |
| LIFE FORM        |    |    |    |    |    |
| COVER CLASS (%)  |                                                                                     | 10-30                                                                               |                                                                                     |                                                                                      |                                                                                       |
| DOMINANT SPECIES |                                                                                     | <i>Banks. illicifol</i>                                                             |                                                                                     |                                                                                      |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|                  | SHRUBS                                                                              |                                                                                     |                                                                                     | SHRUBS                                                                               |                                                                                       |
|                  | over 2m                                                                             | 2m - 1.5m                                                                           | 1.5 - 1m                                                                            | 1 - 0.5m                                                                             | under 0.5m                                                                            |
| LIFE FORM        |   |  |   |  |  |
| COVER CLASS (%)  | 2                                                                                   |                                                                                     | 30/70                                                                               |                                                                                      | 30/70                                                                                 |
| DOMINANT SPECIES | <i>Kunzea ericifol</i>                                                              |                                                                                     | <i>Mpl. spathul</i><br><i>Xanth. preiss</i><br><i>Aden. obov</i>                    |                                                                                      | <i>Calytrix angul</i><br><i>Pteridium vesicul</i><br><i>Leucopogon peduncul</i>       |
|                  |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|                  | GRASSES                                                                             |                                                                                     | HERBS                                                                               | SEDGES                                                                               | over 0.5m                                                                             |
|                  |                                                                                     |                                                                                     |                                                                                     |                                                                                      | under 0.5m                                                                            |
| LIFE FORM        |  |                                                                                     |  |  |  |
| COVER CLASS (%)  | <2                                                                                  |                                                                                     | 2                                                                                   |                                                                                      |                                                                                       |
| DOMINANT SPECIES |                                                                                     |                                                                                     | <i>Drosera erythr</i><br><i>Lom sericea</i><br><i>Charm corymb</i>                  |                                                                                      | <i>Dasyopogon -brom</i>                                                               |
|                  |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |

## 4. VEGETATION CONDITION

Comments

excellent

$$20 \times 20$$

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

*Danthonia bicolor*  
*Holcus setaceus*

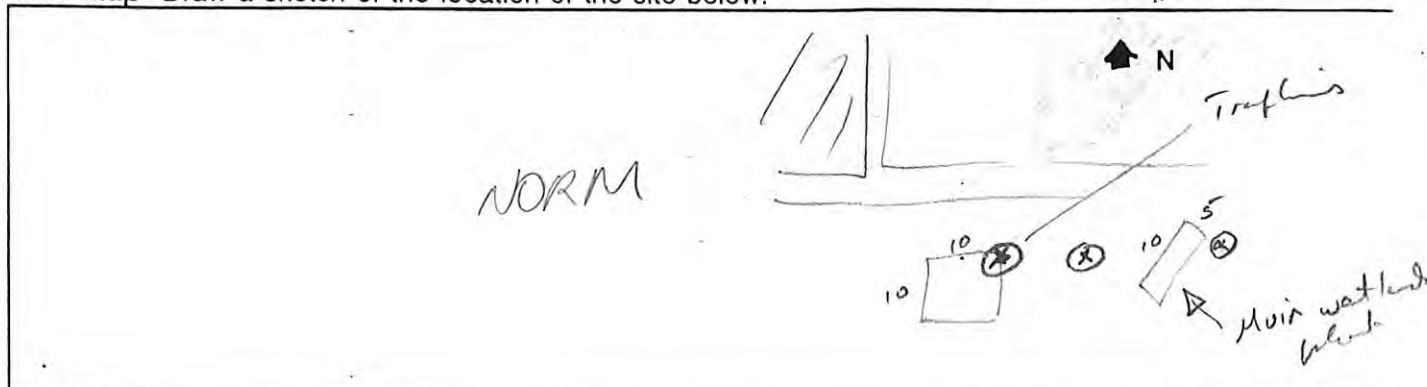
# BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER 12  
 DATE TRIP 13-6-1999 RECORDERS NG/GK  
 DATE TRIP 20-10-1999 RECORDERS AW/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.



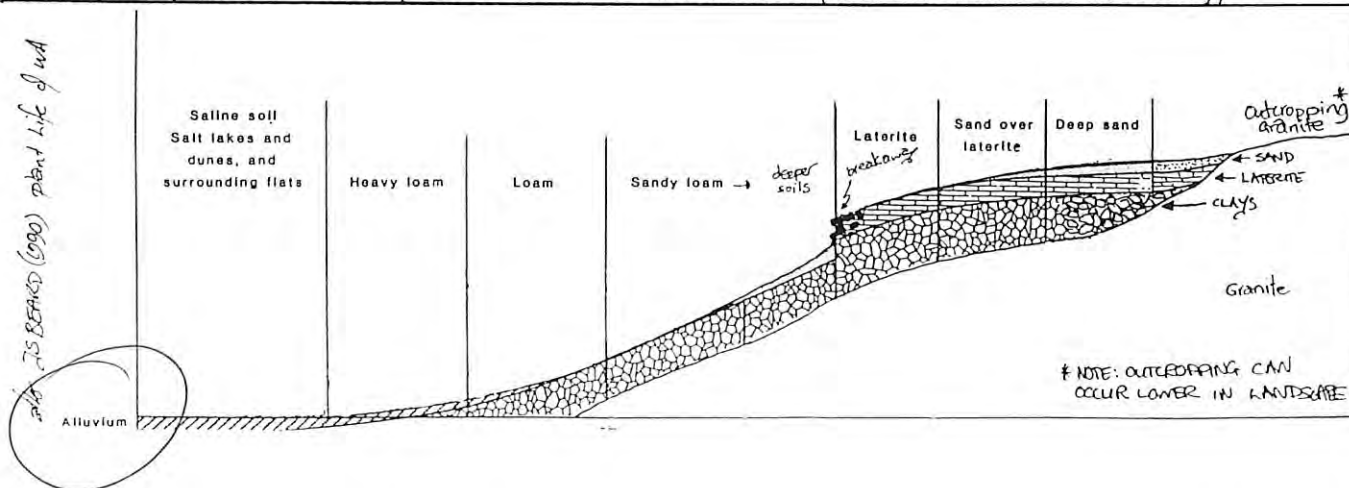
Road Location COWERUP/LAKE MUIR NR/Red Lake VCL

Geographic Location Latitude NORM S Longitude \_\_\_\_\_ 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 gentle steep Aspect N NE E SE S SW W NW

Surface Soil sand Colour grey

Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil sand Colour white

Rock type ironstone/laterite depth to rock 50cm

Drainage well mod poor depth water 10 cm Wet all year winter/spring

Litter 10g stems % cover 10/30 Bare Ground 50 %cover \_\_\_\_\_

Depth 2 cm \_\_\_\_\_

1994

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

**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% |
|-------------|-------|--------|----------|----------|
|-------------|-------|--------|----------|----------|

#### 4. VEGETATION CONDITION

### Comments

excellent

20720

**BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only**

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

| Column 1 | plant name |
|----------|------------|
|          | Banksia    |

Record on Sheet

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

70-10-1999

name if required  
*Banksia littoralis*

Csp

# BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER 13  
 DATE TRIP 13-6-1999 RECORDERS NG/GK  
 DATE TRIP 19-10-99 RECORDERS AW/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.



NORM

Road Location

N.W. edge LAKE MUIR

Geographic Location Latitude

S Longitude

E Altitude

Reference Map

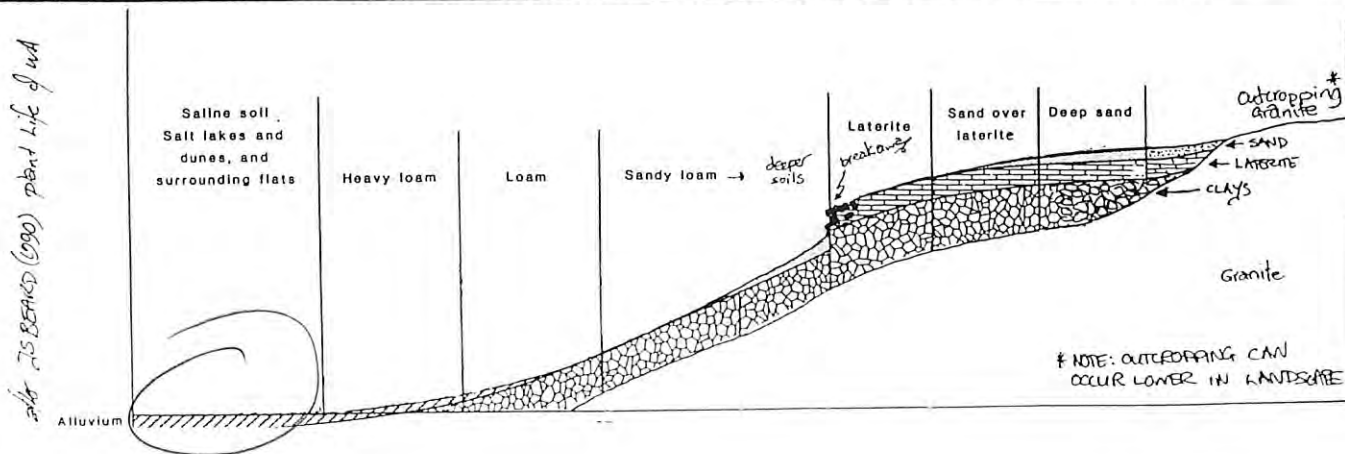
Photograph

Photographer's Name

NG

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 clay loam Colour brown  
 Exposed rock type % surface

Sub-surface Soil clay Colour —  
 Rock type depth to rock

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

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

excellent

underwater 19/10/99

**BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only**

$$20 \times 20$$

## 5. SPECIES PRESCENCE

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

SITE No UN 13

**Record on Sheet**

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

same

Date 13-6-1999

19-10-1999

[illegible]

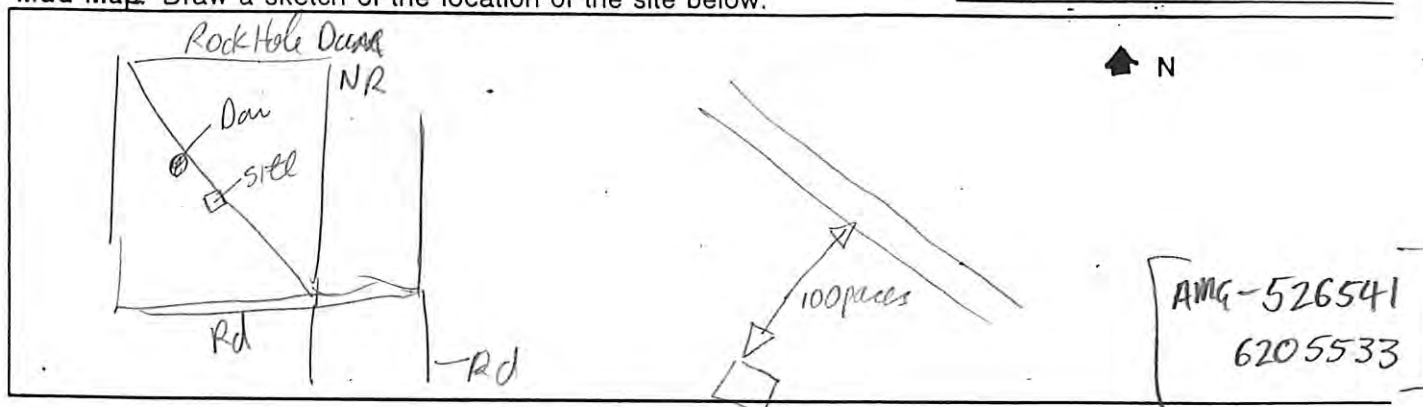
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER 14  
 DATE TRIP 12-9-1999 RECORDERS NG/GK  
 DATE TRIP 19-10-99 RECORDERS AW/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.

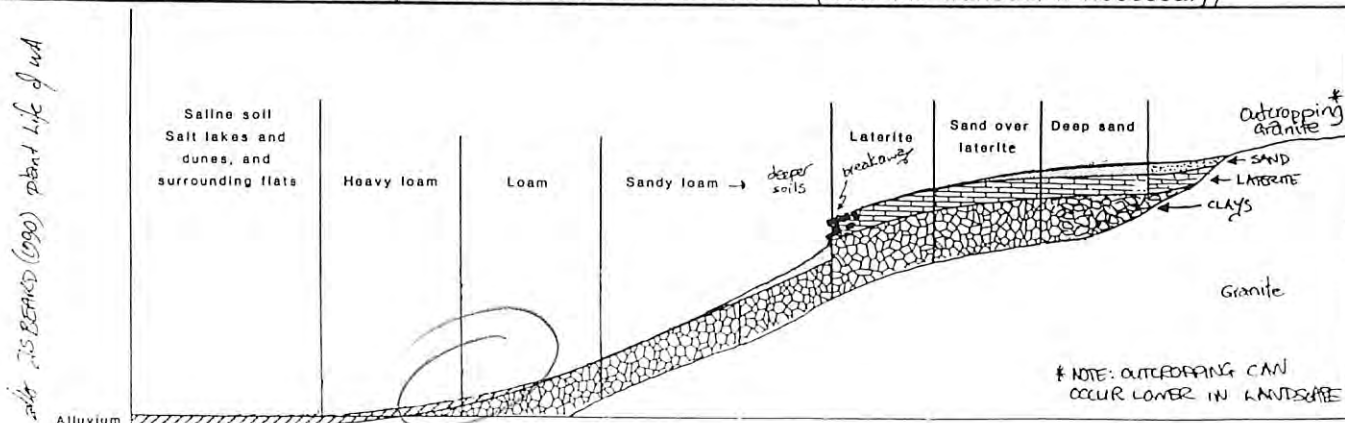


Road Location Rock Hole Dam NR

Geographic Location Latitude 34 17 27.4 S Longitude 117 17 18.2 E Altitude \_\_\_\_\_  
 Reference Map \_\_\_\_\_

Photograph Photographer's Name NG Photo No 13

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



2. SITE DATA Circle the correct response.

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

Surface Soil loam Colour brown  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil clay Colour brown  
 Rock type \_\_\_\_\_ depth to rock \_\_\_\_\_

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

Litter US, FWigs, stems % cover 70/90 Bare Ground 10/30 %cover  
 Depth 2-10 cm

excellent — very good  
? past grazing



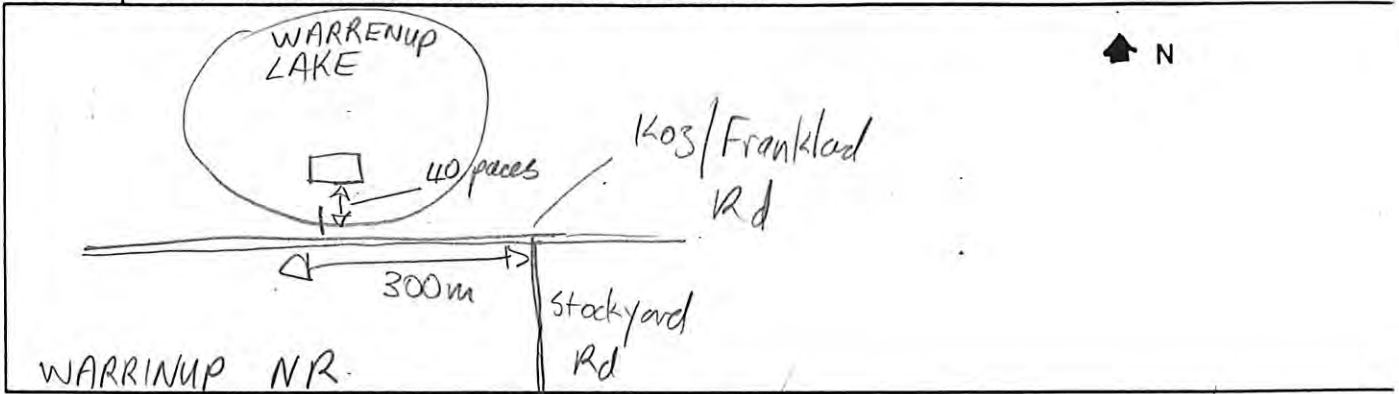
**BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only**

BUSHLAND AREA UN SITE NUMBER 15  
 DATE TRIP 12-6-1999 RECORDERS NG/GK  
 DATE TRIP 19-10-1999 RECORDERS AW/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.



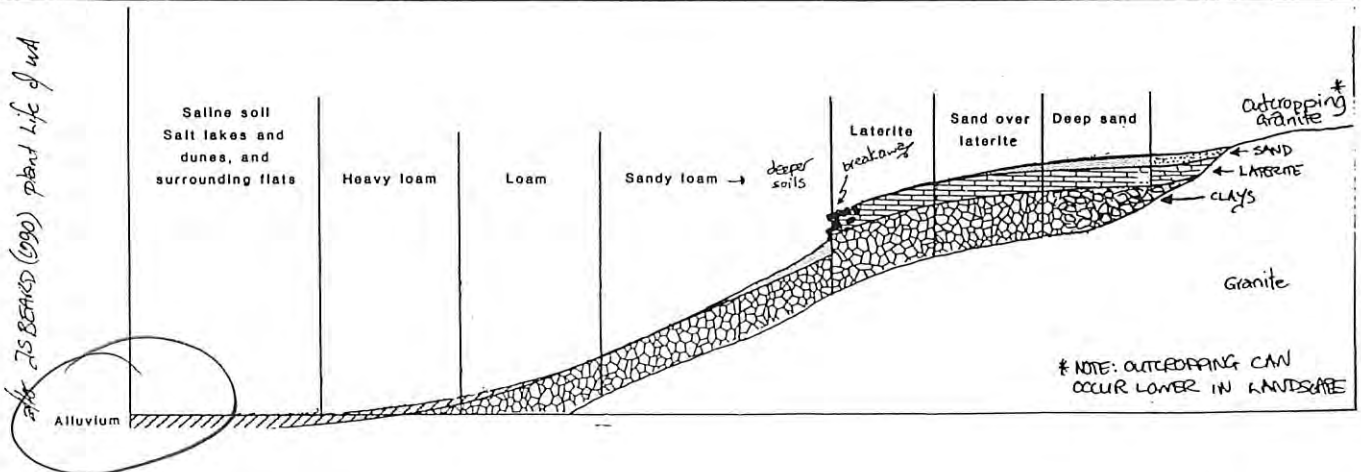
**Road Location** KOSONUP. - FRANKLAND RD / Warrenup NR

**Geographic Location** Latitude 34 20 48.4S Longitude 117 15 22.0E Altitude 2.0

Reference Map

**Photograph** Photographer's Name NG Photo No 14

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



**2. SITE DATA** Circle the correct response.

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

**Surface Soil** peaty **Colour** \_\_\_\_\_  
**Exposed rock** type \_\_\_\_\_ % surface \_\_\_\_\_

**Sub-surface Soil** clay @ 30cm **Colo** \_\_\_\_\_  
**Rock** type \_\_\_\_\_ depth to rock \_\_\_\_\_

**Drainage** well mod poor depth water 10/150 cm Wet all year

**Litter** twigs % cover >90 **Bare Ground** 0  
 Depth 2-10 cm

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

### 3. VEGETATION STRUCTURE AND COVER

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

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

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

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

|                  | GRASSES                                                                             | HERBS                                                                               | SEDGES                                                                               | over 0.5m | under 0.5m                                                                            |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------|
| LIFE FORM        |  |  |  |           |  |
| COVER CLASS (%)  |                                                                                     | L2                                                                                  | 2-10                                                                                 |           | >70                                                                                   |
| DOMINANT SPECIES |                                                                                     | Villarsia                                                                           | Baumea articulata                                                                    |           | Baumea sag                                                                            |

#### 4. VEGETATION CONDITION

### Comments

excellent

under 60 cm deep water 19-10-99

20720

**BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only**

name if required

### 5. SPECIES PRESCENCE

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

Record on Sheet

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

same

SITE No UN 15

Date 12-6-1999

19-10-1999

[illegible]

**BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only**

BUSHLAND AREA UN SITE NUMBER 16  
 DATE TRIP 12-6-1999 RECORDERS NG/GK  
 DATE TRIP 20-10-1999 RECORDERS AW/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**

Wandooera Road Reserve

**Geographic Location** Latitude 34 11 23.0 S Longitude 116 54 40.9 E Altitude 3.0  
 Reference Map

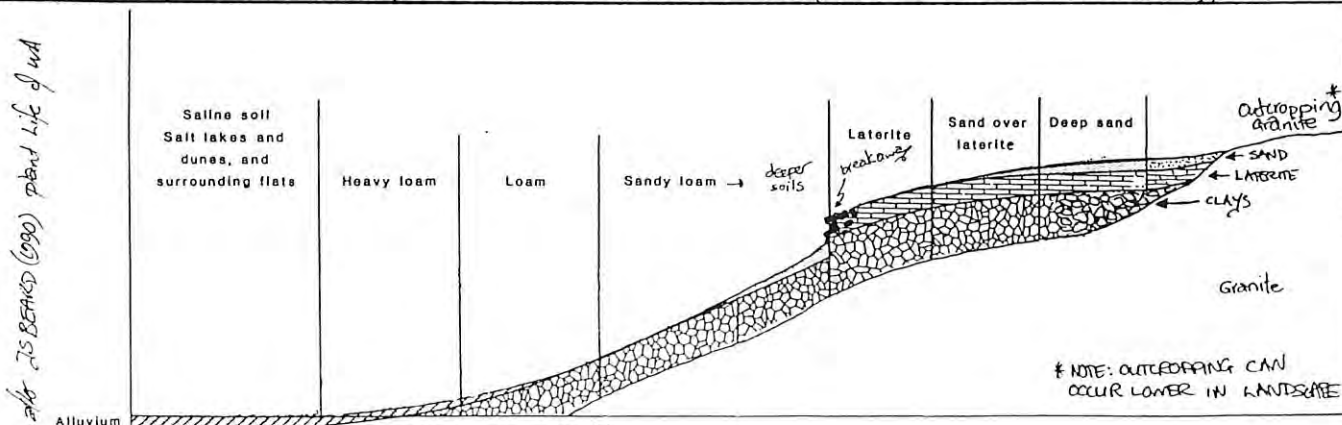
**Photograph**

Photographer's Name

NG

Photo No 15

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



**2. SITE DATA** Circle the correct response.

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

**Surface Soil** peaty sandy clay **Colour** black  
**Exposed rock** type \_\_\_\_\_ % surface \_\_\_\_\_

**Sub-surface Soil** clay **Colour** \_\_\_\_\_  
**Rock** type \_\_\_\_\_ depth to rock \_\_\_\_\_

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

**Litter** stems % cover >90 **Bare Ground** 10 %cover  
 Depth 5-10 cm

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

### 3. VEGETATION STRUCTURE AND COVER

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

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

| TREES            |                                                                                     |                                                                                     |                                                                                      | MALLEES                                                                               |                                                                                       |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                  | over 15m                                                                            | 5-15m                                                                               | under 5m                                                                             | over 8m                                                                               | under 8m                                                                              |
| LIFE FORM        |    |    |     |     |    |
| COVER CLASS (%)  |                                                                                     |                                                                                     | 2                                                                                    |                                                                                       |                                                                                       |
| DOMINANT SPECIES |                                                                                     |                                                                                     | <i>Euc. rudis</i>                                                                    |                                                                                       |                                                                                       |
| SHRUBS           |                                                                                     |                                                                                     |                                                                                      | SHRUBS                                                                                |                                                                                       |
|                  | over 2m                                                                             | 2m - 1.5m                                                                           | 1.5 - 1m                                                                             | 1 - 0.5m                                                                              | under 0.5m                                                                            |
| LIFE FORM        |  |  |    |   |  |
| COVER CLASS (%)  |                                                                                     | 770                                                                                 |                                                                                      |                                                                                       |                                                                                       |
| DOMINANT SPECIES |                                                                                     | <i>Melal. lateralis</i>                                                             |                                                                                      |                                                                                       |                                                                                       |
| GRASSES          |                                                                                     | HERBS                                                                               | SEDGES                                                                               |                                                                                       |                                                                                       |
|                  |                                                                                     |                                                                                     | over 0.5m                                                                            | under 0.5m                                                                            |                                                                                       |
| LIFE FORM        |  |  |  |  |                                                                                       |
| COVER CLASS (%)  |                                                                                     | ?                                                                                   |                                                                                      | 30/70                                                                                 |                                                                                       |
| DOMINANT SPECIES |                                                                                     |                                                                                     |                                                                                      | <i>Phalaris tenuis</i>                                                                |                                                                                       |

#### 4. VEGETATION CONDITION

### Comments

excellent.

water 30cm deep on 20/10/99

**BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only**

20 x 20

## 5. SPECIES PRESCENCE

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

SITE No 4N 16

### Record on Sheet

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

Same.

Date 12-6-1999

20-10-1999

[illegible]

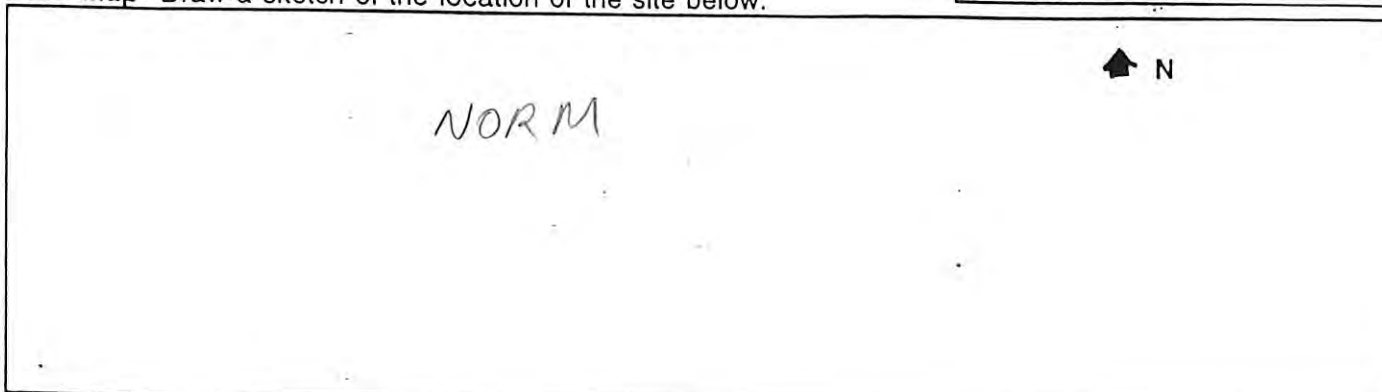
# BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER 17  
 DATE TRIP 13-6-1999 RECORDERS NG/GK  
 DATE TRIP 19-10-99 RECORDERS AW/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.



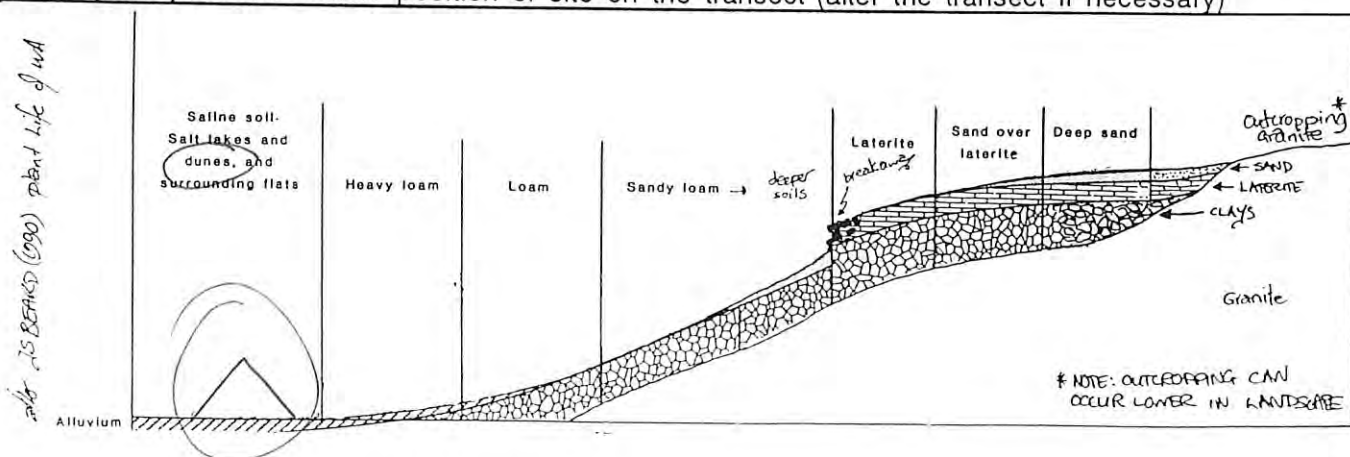
Road Location LAKE MUIR NR

Geographic Location Latitude NORM S Longitude \_\_\_\_\_ E Altitude \_\_\_\_\_

Reference Map

Photograph \_\_\_\_\_ Photographer's Name NG Photo No 23

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



## 2. SITE DATA Circle the correct response.

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

Surface Soil sand Colour grey  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil sand Colour grey  
 Rock type \_\_\_\_\_ depth to rock >1m

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

Litter lg, bark, twigs % cover 30/50 Bare Ground mossy (ca 30% summer)  
 Depth 2-5 cm

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

### 3. VEGETATION STRUCTURE AND COVER

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

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

| TREES            |                                                                                   |                                                                                   |                                                                                   | MALLEES                                                                            |                                                                                     |
|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                  | over 15m                                                                          | 5-15m                                                                             | under 5m                                                                          | over 8m                                                                            | under 8m                                                                            |
| LIFE FORM        |  |  |  |  |  |
| COVER CLASS (%)  | 2-10                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| DOMINANT SPECIES | <i>Euc. rudis</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                                                                           |                                                                                       | under 0.5m |
| LIFE FORM        |  |  |  |  |            |
| COVER CLASS (%)  | 2                                                                                   | 30/70                                                                               |                                                                                      | 30/20                                                                                 |            |
| DOMINANT SPECIES | ?                                                                                   | <i>Styphandra gr</i><br><i>Romulea rosea</i><br><i>Pelargon litt</i>                |                                                                                      | <i>Lepidosperma long</i>                                                              |            |

#### 4. VEGETATION CONDITION

### Comments

grazed in past

## BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20 X 20

## 5. SPECIES PRESCENCE

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

SITE No UN 17

Record on Sheet

Date 13-6-1999

19-10-1999

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

same

| TREES              | No | FI | ID | SHRUBS (cont.)              | No | FI | ID | HERBS (cont.)               | No | FI | ID |
|--------------------|----|----|----|-----------------------------|----|----|----|-----------------------------|----|----|----|
| Eucalyptus radiata |    |    |    |                             |    |    |    | Hypoxis glabella            |    |    |    |
|                    |    |    |    |                             |    |    |    | 19/10/1999                  |    |    |    |
|                    |    |    |    |                             |    |    |    | X Trifolium                 |    |    |    |
|                    |    |    |    |                             |    |    |    | X Briza minor               |    |    |    |
|                    |    |    |    |                             |    |    |    | X Lageniera hughesii        |    |    |    |
| MALLEES            |    |    |    |                             |    |    |    | X Petrophragma teretifolium |    |    |    |
|                    |    |    |    |                             |    |    |    | X Vulpia myuros             |    |    |    |
|                    |    |    |    | GRASSES                     |    |    |    | X Diplotaxis urvillei       |    |    |    |
|                    |    |    |    | Microlaena stipoides        |    |    |    | X Polypogon tenellus        |    |    |    |
|                    |    |    |    |                             |    |    |    | X Bromus maritimus (USP)    |    |    |    |
| SHRUBS             |    |    |    |                             |    |    |    | X Trifolium subterraneum    |    |    |    |
|                    |    |    |    |                             |    |    |    | SEDGES                      |    |    |    |
|                    |    |    |    |                             |    |    |    | Lepidosperma longifolium    |    |    |    |
|                    |    |    |    |                             |    |    |    | 19/10/1999                  |    |    |    |
|                    |    |    |    | HERBS                       |    |    |    | X Caladenia latifolia       |    |    |    |
|                    |    |    |    | Stypania grandif (USP) ✓    |    |    |    | X " cairnsiana              |    |    |    |
|                    |    |    |    | Romulea rosea ✓             |    |    |    | X Acacia saligna            |    |    |    |
|                    |    |    |    | Hypochaeris glabra          |    |    |    | X Erodium cicutarium        |    |    |    |
|                    |    |    |    | Rumex acetosella            |    |    |    | X Lolium rigidum            |    |    |    |
|                    |    |    |    | Monadenia bract ✓           |    |    |    | X Caladenia flava           |    |    |    |
|                    |    |    |    | Geranium pilosum ✓          |    |    |    |                             |    |    |    |
|                    |    |    |    | Opelargonium littorale ✓    |    |    |    | Vulpia myuros 9/10 ✓        |    |    |    |
|                    |    |    |    | Juncus pallidus             |    |    |    | Haleus setyera 19/10 (USP)  |    |    |    |
|                    |    |    |    | Oxalis perennans ✓          |    |    |    | Bromus diandrus (USP) 19/10 |    |    |    |
|                    |    |    |    | Luzula meridionalis         |    |    |    |                             |    |    |    |
|                    |    |    |    | Rumex pulcher pulcher (USP) |    |    |    |                             |    |    |    |
|                    |    |    |    | Thys pat/mangl ✓            |    |    |    |                             |    |    |    |

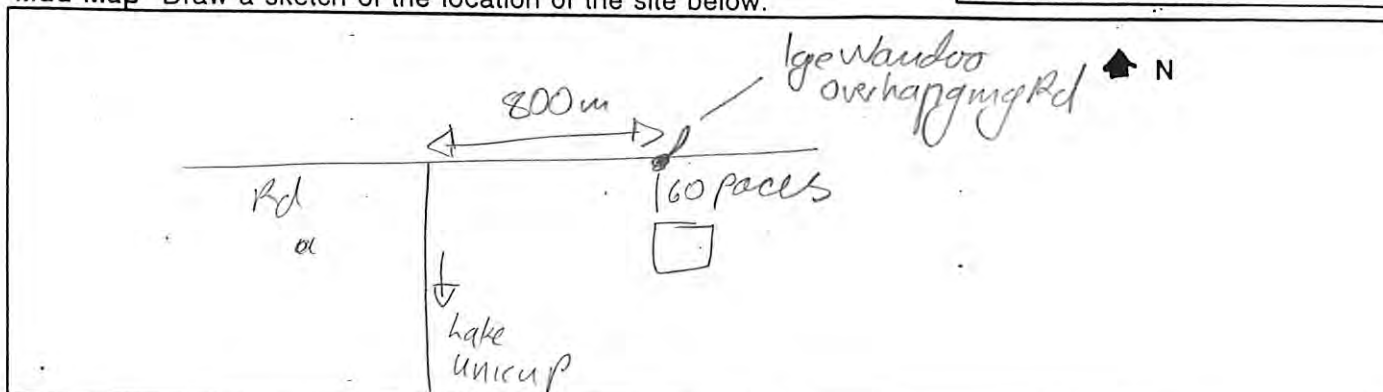
# BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER 18  
 DATE TRIP 13-6-1999 RECORDERS NG/GK  
 DATE TRIP 22-10-1999 RECORDERS AW/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

Unicup NR

Geographic Location Latitude 34 18 48.4 S Longitude 116 43 48.9 E Altitude 3.0

Reference Map

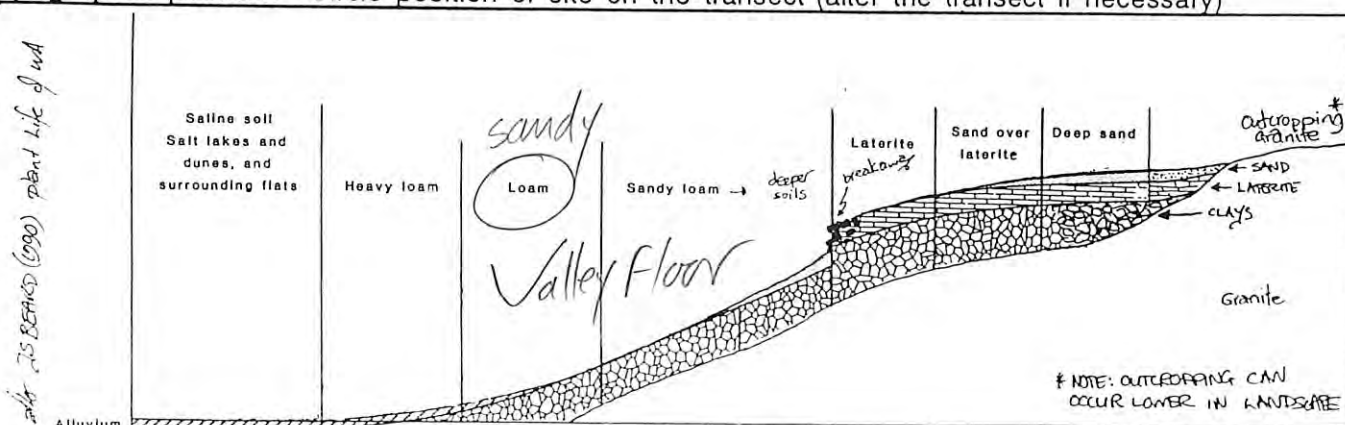
Photograph

Photographer's Name

NG

Photo No 26

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



## 2. SITE DATA Circle the correct response.

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

Surface Soil type sand Colour cream  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil type sand Colour cream  
 Rock type \_\_\_\_\_ depth to rock >1m

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

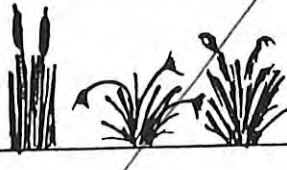
Litter vs FWigs % cover 70/90 Bare Ground 16 %cover  
 Depth 2-5 cm

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

## 3. VEGETATION STRUCTURE AND COVER

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

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

| TREES            |                                                                                     |                                                                                     | MALLEES                                                                              |                                                                                       |                                                                                       |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                  | over 15m                                                                            | 5-15m                                                                               | under 5m                                                                             | over 8m                                                                               | under 8m                                                                              |
| LIFE FORM        |    |    |     |     |    |
| COVER CLASS (%)  | 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 | Acac. saligna                                                                       |                                                                                     |                                                                                      |                                                                                       | Hypocalym. angust                                                                     |
| GRASSES          |                                                                                     | HERBS                                                                               | SEDGES                                                                               |                                                                                       |                                                                                       |
|                  |                                                                                     |                                                                                     | over 0.5m                                                                            | under 0.5m                                                                            |                                                                                       |
| LIFE FORM        |  |  |  |  |                                                                                       |
| COVER CLASS (%)  | 2                                                                                   |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
| DOMINANT SPECIES | Nerachne alop                                                                       | Drosera eryth<br>Lom. micrantha                                                     |                                                                                      | Desmod. asp<br>cyathoch. avennac                                                      |                                                                                       |

## 4. VEGETATION CONDITION

Comments

very good - excellent

## BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x20

## 5. SPECIES PRESENCE

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

SITE No UN 18

Record on Sheet

Date 13-6-1999

20-10-1999

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

the same

| TREES                    | No | FI | ID | SHRUBS (cont.) 20/10/99                              | No | FI | ID | HERBS (cont.)              | No | FI | ID |
|--------------------------|----|----|----|------------------------------------------------------|----|----|----|----------------------------|----|----|----|
| Euc. wandoo              |    |    |    | x Trichymene pilosa                                  |    |    |    | Monadenia bracteata        |    |    |    |
| Euc. Calophylla          |    |    |    | x Hyalodermis rotula                                 |    |    |    | Pelargonium littor         |    |    |    |
|                          |    |    |    | x Canostylis <del>dentata</del> <del>australis</del> |    |    |    | Geranium pilos             |    |    |    |
|                          |    |    |    | x Hypoxis occident                                   |    |    |    | Thys pol/mang              |    |    |    |
|                          |    |    |    | x Phyllanthus corymbos                               |    |    |    | Oxalis perennans           |    |    |    |
|                          |    |    |    | x Dodonaea alochid                                   |    |    |    |                            |    |    |    |
| MALLEES                  |    |    |    | x Gomphol ( ) marginat                               |    |    |    |                            |    |    |    |
|                          |    |    |    | x Ulmus micrantha ( <del>subsp</del> )               |    |    |    |                            |    |    |    |
|                          |    |    |    | GRASSES                                              |    |    |    |                            |    |    |    |
|                          |    |    |    | Tetrarrhena laevis                                   |    |    |    |                            |    |    |    |
|                          |    |    |    | Nerachne alopec                                      |    |    |    |                            |    |    |    |
|                          |    |    |    | Stipa trichophylla                                   |    |    |    |                            |    |    |    |
| SHRUBS                   |    |    |    |                                                      |    |    |    | SEDGES                     |    |    |    |
| Acacia saligna           |    |    |    |                                                      |    |    |    | Desmodium asp              |    |    |    |
| Hypocalym ( ) angust     |    |    |    |                                                      |    |    |    | Cyathochaeta arenac        |    |    |    |
| Acacia extensa           |    |    |    |                                                      |    |    |    | Tetraria capillaris        |    |    |    |
| Gompholob margin         |    |    |    |                                                      |    |    |    | Desmodium <del>basil</del> |    |    |    |
| Hibbertia commata        |    |    |    |                                                      |    |    |    | 20/10                      |    |    |    |
| Hibbertia cumingii       |    |    |    | HERBS                                                |    |    |    | x Watzia citrina           |    |    |    |
| Astroloma pallidum       |    |    |    | Eriochilus dilat                                     |    |    |    | x Stylis calcar            |    |    |    |
| 20/10/99                 |    |    |    | Hypochaeris glabra                                   |    |    |    | x Alva coryophyll          |    |    |    |
| x Ptilotus manglesii     |    |    |    | Crassipedia ( ) variab                               |    |    |    | x Briza minor              |    |    |    |
| x Podolepis ( )          |    |    |    | Pterostylis dilat                                    |    |    |    | x Andragallis arvensis     |    |    |    |
| x Ophiodoss coriac       |    |    |    | Stylidium spathul                                    |    |    |    | x Levanhookia pusilla      |    |    |    |
| x Millottia tenuiflor    |    |    |    | Lomandra micrantha                                   |    |    |    | x Homaloscia homaloc       |    |    |    |
| x Microlaena stipoides   |    |    |    | Drosera macrantha 20/10                              |    |    |    | x Galium                   |    |    |    |
| x Caladenia flava        |    |    |    | Lagenaria hueg                                       |    |    |    | x Centrolepis aristata     |    |    |    |
| x Ixiolaena viscosa      |    |    |    | Drosera erythraea                                    |    |    |    | x Drosera rostrata         |    |    |    |
| x Leptoceras menziesii   |    |    |    | Patersonia occid                                     |    |    |    | x Centrolepis drummond     |    |    |    |
| x Patentocella viscosa   |    |    |    | Paucus alochid                                       |    |    |    | x Kennedia prostr          |    |    |    |
| x Bromus diandrus        |    |    |    | Chaenactis corymb                                    |    |    |    | x Sonchella laxifl         |    |    |    |
| x Parentocella latifolia |    |    |    | Centaurium erythraea                                 |    |    |    |                            |    |    |    |
| x Wahlenbergia preissii  |    |    |    |                                                      |    |    |    | x Arctotheca calendula     |    |    |    |
|                          |    |    |    | x Poranthera microphylla                             |    |    |    | x Selaginella gracillim    |    |    |    |
|                          |    |    |    | x Phyllanthum paradox                                |    |    |    |                            |    |    |    |

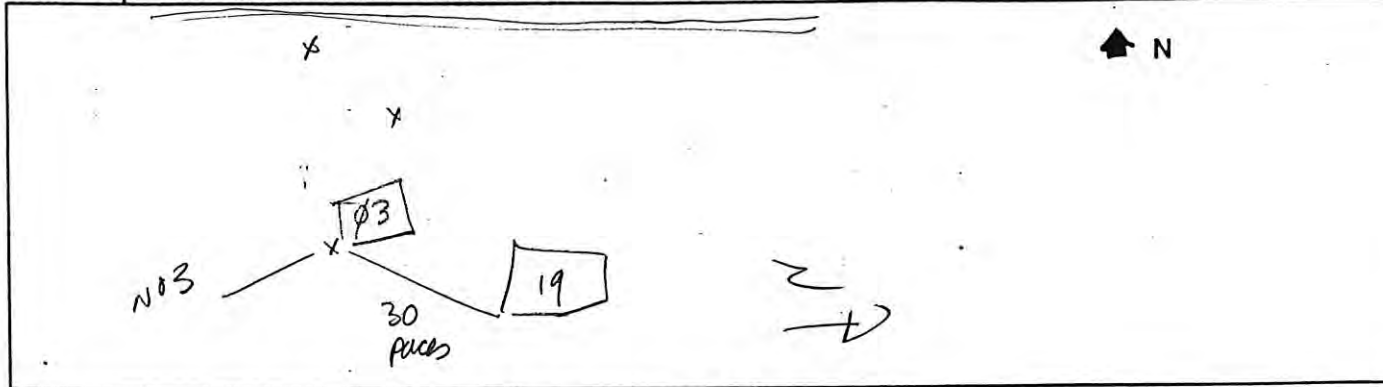
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER 19  
 DATE TRIP 14-6-1999 RECORDERS NG/GK  
 DATE TRIP 20-10-99 RECORDERS AW/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.



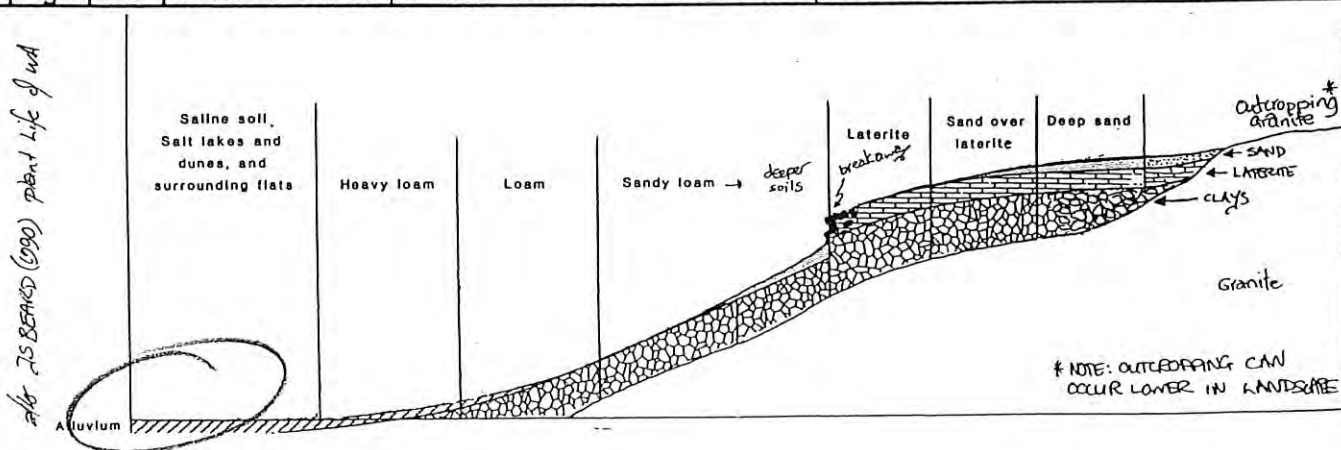
Road Location

Mininup NR

Geographic Location Latitude 34° 06' 12.5" S Longitude 116° 49' 28.1" E Altitude 2.6  
 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 type sandy clay Colour grey  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil type clay Colour \_\_\_\_\_  
 Rock type \_\_\_\_\_ depth to rock 51m

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

Litter lvs + twigs % cover 30 Bare Ground 50 % cover (summer)  
 Depth 2 cm

### **3. VEGETATION STRUCTURE AND COVER**

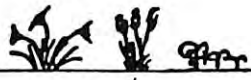
| Cover Class | 2-10% | 10-30% | 30 - 70% | over 70% |
|-------------|-------|--------|----------|----------|
|-------------|-------|--------|----------|----------|

| TREES            |                                                                                   |                                                                                   |                                                                                   | MALLEES                                                                            |                                                                                     |
|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                  | over 15m                                                                          | 5-15m                                                                             | under 5m                                                                          | over 8m                                                                            | under 8m                                                                            |
| LIFE FORM        |  |  |  |  |  |
| COVER CLASS (%)  | 10/30                                                                             |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| DOMINANT SPECIES | <i>Euc. occid</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 (%)  | 10/30                                                                               | 30/70                                                                               |                                                                                      |                                                                                      | 30/70                                                                                 |
| DOMINANT SPECIES | <i>Amphibrom</i><br><i>Agrostis av</i>                                              | <i>Scasom</i>                                                                       |                                                                                      |                                                                                      | <i>Chorizandra</i><br><i>Leptrodia</i><br><i>Metelboldinia</i>                        |
|                  |                                                                                     |                                                                                     |                                                                                      |                                                                                      |                                                                                       |
|                  |                                                                                     |                                                                                     |                                                                                      |                                                                                      |                                                                                       |

#### 4. VEGETATION CONDITION

### Comments

excellent

20x20

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

### Record on Sheet

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

Euc. wandoo

| TREES                             | No | FI | ID | SHRUBS (cont.)              | No  | FI | ID                                    | HERBS (cont.) | No | FI | ID |
|-----------------------------------|----|----|----|-----------------------------|-----|----|---------------------------------------|---------------|----|----|----|
| Euc. occidentalis                 |    |    | ✓  | Schreineria aff. bullbrook  | vsp | ✓  | X Wurmbea dioica ssp alba (vsp)       |               |    |    |    |
|                                   |    |    |    |                             |     |    | X Diuris laxiflora (vsp)              |               |    |    |    |
|                                   |    |    |    |                             |     |    | X Hypoxis oce                         |               |    |    |    |
|                                   |    |    |    |                             |     |    | X Elyngium — (wandering) pinnatifidum |               |    |    |    |
|                                   |    |    |    |                             |     |    | X Utricularia hookeri                 |               |    |    |    |
|                                   |    |    |    |                             |     |    | X Uratula                             |               |    |    |    |
| MALLEES                           |    |    |    |                             |     |    | X Chaemascula sp                      |               |    |    |    |
|                                   |    |    |    |                             |     |    | X Caesia ? micrantha (vsp)            |               |    |    |    |
|                                   |    |    |    | GRASSES                     |     |    | X Pterostylis pyramidalis             |               |    |    |    |
|                                   |    |    |    | Amphibromus vickeryae (vsp) | ✓   |    | X Isotria medeoloides (vsp)           |               |    |    |    |
|                                   |    |    |    | Agrostis                    |     |    | X Drakopanax                          |               |    |    |    |
|                                   |    |    |    | Danthonia                   |     |    | X Schoenus plumosus (vsp)             |               |    |    |    |
| SHRUBS                            |    |    |    |                             |     |    | X " capillif                          |               |    |    |    |
| 20-10-99                          |    |    |    |                             |     |    | SEDGES                                |               |    |    |    |
| X Trachymene pilosa               |    |    |    |                             |     |    | Chorizanthe enodis                    |               |    |    |    |
| X Thelymitra pauciflora (vsp)     |    |    |    |                             |     |    |                                       |               |    |    |    |
| X Carex inversa (vsp)             |    |    |    |                             |     |    | Tetraria capill                       |               |    |    |    |
| X                                 |    |    |    |                             |     |    |                                       |               |    |    |    |
| 2/11/00                           |    |    |    | HERBS                       |     |    |                                       |               |    |    |    |
| X Danthonia                       |    |    |    | Dimera rostrata             |     |    | X Hypochaeris glabra                  |               |    |    |    |
| X Eryngium sp (ferox) (vsp)       |    |    | ✓  | Tribonanthes aust           | ✓   |    | X Myriophyllum integrifolium (vsp)    |               |    |    |    |
| X Mikania methia (vsp)            |    |    | X  | " sp (Lk Muller)            | ✓   |    | X Trifolium                           |               |    |    |    |
| X stylidium uniflor               |    |    | X  | Craspedia sp                | ✓   |    | X Cyperus tenuellus                   |               |    |    |    |
| X Chrysanthemum                   |    |    |    | Lagenigera                  |     |    | X Thysanotus (astanga) - tenuellus    |               |    |    |    |
| X Lachenalia hurg                 |    |    |    | Schoenolaena juncea         |     |    | X Andropogon arvensis                 |               |    |    |    |
| X Hydrocotyle (white) catul (vsp) |    |    | ✓  | Chaemascula gibbsonii       |     |    | X Trichocline glabrous                |               |    |    |    |
| X Myriosepalus maculatus          |    |    | ✓  | Thysanotus mangl            | ✓   |    | X Platanus major                      |               |    |    |    |
| Stylidium guttatum                |    |    |    | Anthropod preiss            | ✓   |    | X Hydrocotyle callicarpa              |               |    |    |    |
| X Isotria oldfieldianus (vsp)     |    |    | ✓  | Hydrocotyle alata           |     |    | X Hydrangea                           |               |    |    |    |
|                                   |    |    |    |                             |     |    | X Briza minor                         |               |    |    |    |
|                                   |    |    |    |                             |     |    | X Silene multifl                      |               |    |    |    |
|                                   |    |    |    |                             |     |    | X Drosera - climbing - yellow         |               |    |    |    |

*Lepidosaur* sp. ? gristle / squam

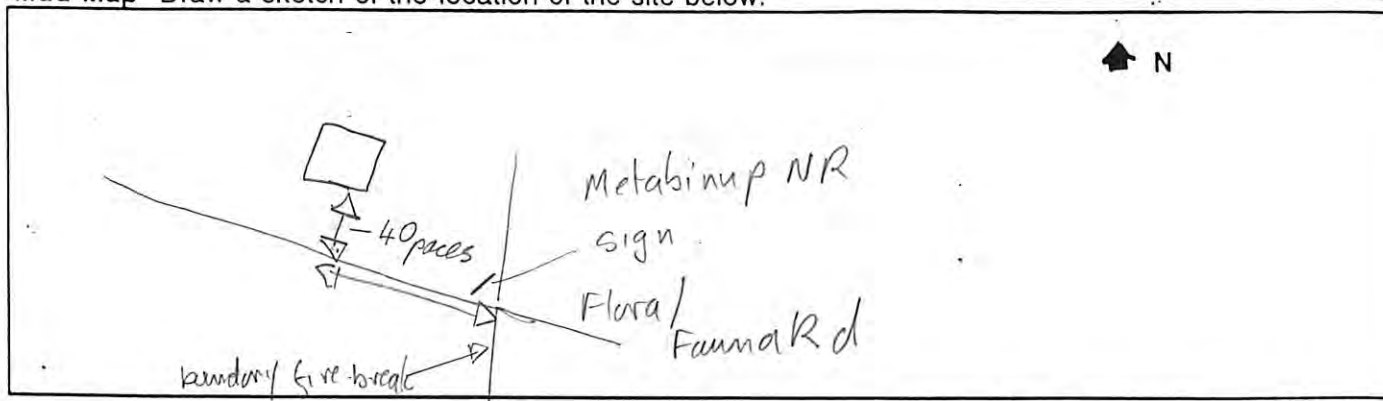
**BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only**

BUSHLAND AREA UN SITE NUMBER 20  
 DATE TRIP 14-6-1999 RECORDERS NG/GK  
 DATE TRIP 20-10-1999 RECORDERS AW/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.



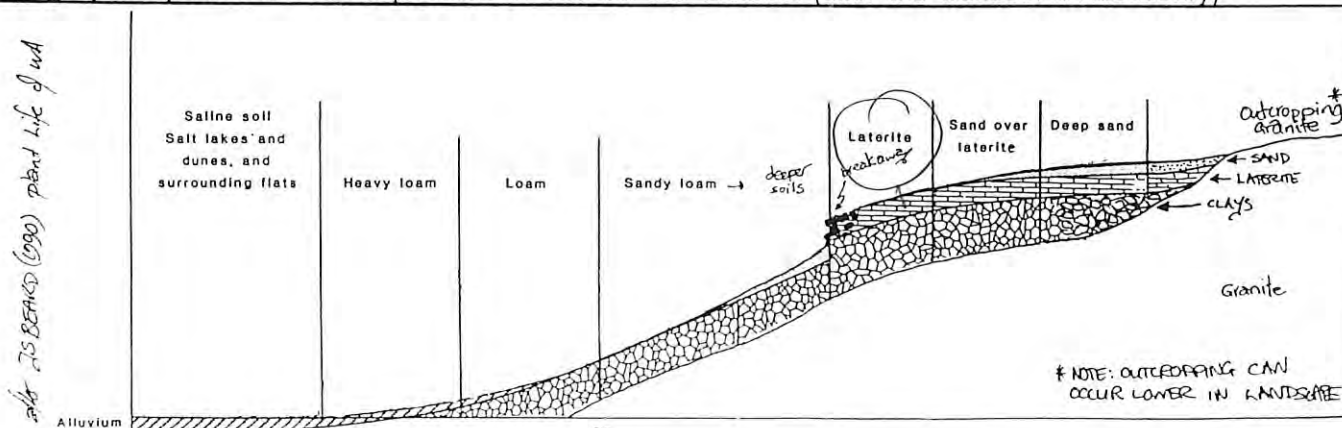
Road Location Flora and Fauna Rd / Metabirup NR

Geographic Location Latitude 33 59 42.2 S Longitude 116 50 14.7 E Altitude 3.2

Reference Map

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 NW

Surface Soil laterite sand Colour grey-brown  
 Exposed rock type laterite % surface

Sub-surface Soil laterite Colour  
 Rock type depth to rock 20-30cm

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

Litter NG, FW, G % cover 70-90 Bare Ground 10/30 %cover  
 Depth 2-5 cm

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

## 3. VEGETATION STRUCTURE AND COVER

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

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

| LIFE FORM        | TREES                                                                               |                                                                                     |                                                                                      | MALLEES                                                                              |                                                                                                   |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|                  | over 15m                                                                            | 5-15m                                                                               | under 5m                                                                             | over 8m                                                                              | under 8m                                                                                          |
|                  |    |    |     |    |                |
| COVER CLASS (%)  | 30/70                                                                               |                                                                                     |                                                                                      |                                                                                      |                                                                                                   |
| DOMINANT SPECIES | <i>Euc. marginat</i>                                                                |                                                                                     |                                                                                      |                                                                                      |                                                                                                   |
| LIFE FORM        | SHRUBS                                                                              |                                                                                     |                                                                                      |                                                                                      | SHRUBS                                                                                            |
|                  | over 2m                                                                             | 2m - 1.5m                                                                           | 1.5 - 1m                                                                             | 1-0.5m                                                                               | under 0.5m                                                                                        |
|                  |   |  |    |  |              |
| COVER CLASS (%)  |                                                                                     | 2-10                                                                                |                                                                                      |                                                                                      | 10-30                                                                                             |
| DOMINANT SPECIES |                                                                                     | <i>Xanthorrh. pruss</i>                                                             |                                                                                      |                                                                                      | <i>Bossiaea orn</i><br><i>Hakea lissocarph</i><br><i>Dryandra bipinn</i><br><i>Leucop. parvif</i> |
| LIFE FORM        | GRASSES                                                                             | HERBS                                                                               | SEDGES                                                                               | SEDGES                                                                               |                                                                                                   |
|                  |                                                                                     |                                                                                     | over 0.5m                                                                            | over 0.5m                                                                            | under 0.5m                                                                                        |
|                  |  |  |  |  |              |
| COVER CLASS (%)  | 2                                                                                   | 10-30                                                                               |                                                                                      |                                                                                      | 30/70                                                                                             |
| DOMINANT SPECIES | <i>Nerachne alopec</i>                                                              | <i>Chaem. corymb</i><br><i>Chaem. serr</i><br><i>Patterson juncea</i>               |                                                                                      |                                                                                      | <i>Tetraria cap</i><br><i>Desmod. falsic</i>                                                      |

## 4. VEGETATION CONDITION

Comments

very good - excellent  
logged in past

$$20 + 20$$

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

20-10-1999

*Euc. calophyll*

| • Column 4 Identification check |    |    |  |                |    |    |  |               |    |    |  |
|---------------------------------|----|----|--|----------------|----|----|--|---------------|----|----|--|
| TREES                           |    |    |  | SHRUBS (cont.) |    |    |  | HERBS (cont.) |    |    |  |
| No                              | FI | ID |  | No             | FI | ID |  | No            | FI | ID |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  |               |    |    |  |
|                                 |    |    |  |                |    |    |  | </            |    |    |  |

✓ Stykdown politenun - glass (VSP)

(nach Astid 20/65)

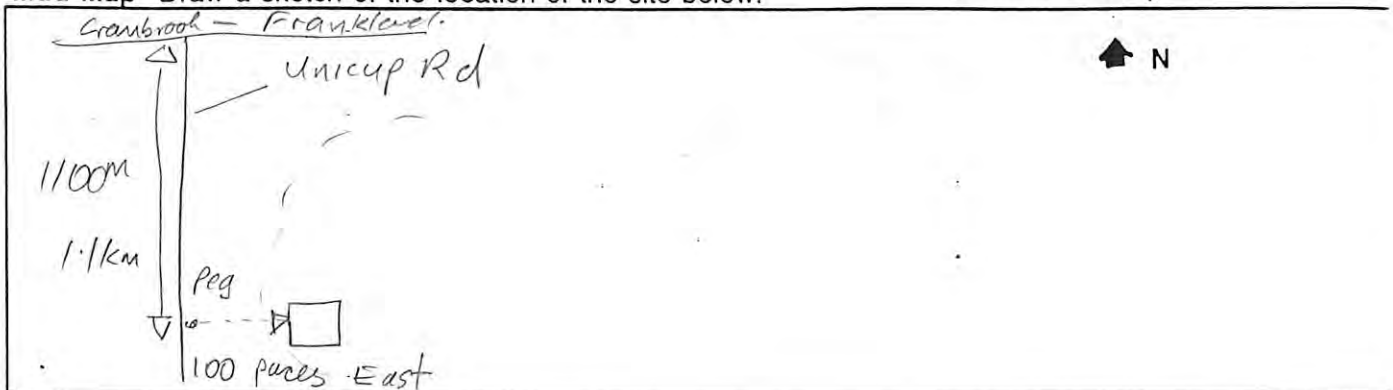
**BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only**

BUSHLAND AREA UN SITE NUMBER 21  
 DATE TRIP 14-6-1999 RECORDERS NG/GK  
 DATE TRIP 20-10-99 RECORDERS AW/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.

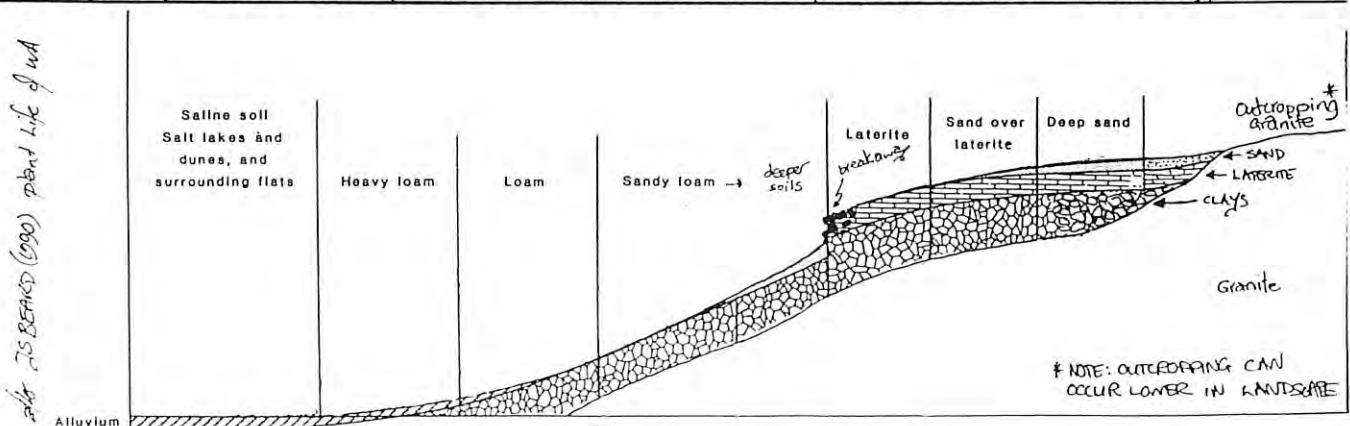


**Road Location** UNICUP RD; UNICUP NR.

**Geographic Location** Latitude 34 19 20.4 S Longitude 116 43 18.7 E Altitude 3.0  
 Reference Map \_\_\_\_\_

**Photograph** Photographer's Name NG Photo No 33

**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 sandy clay Colour grey  
**Exposed rock** type \_\_\_\_\_ % surface \_\_\_\_\_

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

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

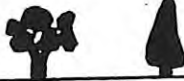
**Litter** lvs, twigs, stems \_\_\_\_\_ % cover 30/50 **Bare Ground** 30 %cover  
 Depth \_\_\_\_\_ cm

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

### 3. VEGETATION STRUCTURE AND COVER

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

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

| TREES            |                                                                                   |                                                                                   | MALLEES                                                                           |                                                                                    |                                                                                     |
|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                  | over 15m                                                                          | 5-15m                                                                             | under 5m                                                                          | over 8m                                                                            | under 8m                                                                            |
| LIFE FORM        |  |  |  |  |  |
| COVER CLASS (%)  |                                                                                   |                                                                                   | 30/70                                                                             |                                                                                    |                                                                                     |
| DOMINANT SPECIES |                                                                                   |                                                                                   | <i>Melaleuca cutic</i>                                                            |                                                                                    |                                                                                     |

| SHRUBS           |                                                                                    |                                                                                     |                                                                                    | SHRUBS                                                                               |                                                                                       |
|------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                  | over 2m                                                                            | 2m - 1.5m                                                                           | 1.5 - 1m                                                                           | 1 - 0.5m                                                                             | under 0.5m                                                                            |
| LIFE FORM        |  |  |  |  |  |
| COVER CLASS (%)  | 2-10                                                                               |                                                                                     |                                                                                    |                                                                                      | 20-30                                                                                 |
| DOMINANT SPECIES | <i>Melaleuca densa</i><br><i>Kunzea recurva</i><br><i>Brachys. melano</i>          |                                                                                     |                                                                                    |                                                                                      | <i>Pericalymen ellipt</i>                                                             |

| GRASSES          |                                                                                     | HERBS                                                                               |                                                                                      | SEDGES                                                                                |  |  |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|--|
|                  | over 0.5m                                                                           |                                                                                     | under 0.5m                                                                           |                                                                                       |  |  |
| LIFE FORM        |  |  |  |  |  |  |
| COVER CLASS (%)  | < 2                                                                                 |                                                                                     | > 70                                                                                 | 2                                                                                     |  |  |
| DOMINANT SPECIES |                                                                                     | <i>Stylidium</i>                                                                    | <i>Gahnia trifida</i>                                                                | <i>Schoenus submicr</i>                                                               |  |  |

#### 4. VEGETATION CONDITION

### Comments

excellent

20x20

Same

**Label each plant**  
**Record on Sheet**

SITE No UN 21  
Date 14-6-1999  
20-10-99

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

| TREES                 |  |  |  | SHRUBS (cont.)    |  |  |  | HERBS (cont.)           |  |  |  | No | FI | ID |
|-----------------------|--|--|--|-------------------|--|--|--|-------------------------|--|--|--|----|----|----|
| Melaleuca cuticularis |  |  |  | Schoenus discolor |  |  |  | Thelymitra flexuosa     |  |  |  |    |    |    |
|                       |  |  |  | " odontocarpus    |  |  |  | Hylpoxis occidentalis   |  |  |  |    |    |    |
|                       |  |  |  | " aff. plumosus   |  |  |  | Polypomphix tenella     |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  | Cenrolepis aristata     |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  | Drosera pallida         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  | Schoenus                |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  | Aphelia cypoides        |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  | Hevenhodtia pusilla     |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  | Hydrocotyle lecalicarpa |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  | Gnompholobium margin    |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  | Thelymitra crinita      |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |
|                       |  |  |  |                   |  |  |  |                         |  |  |  |    |    |    |

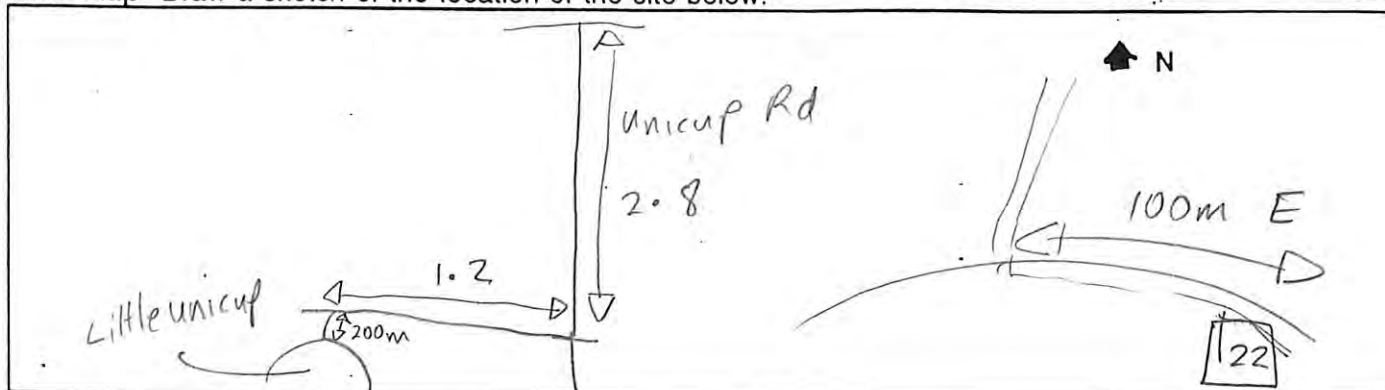
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER 22  
 DATE TRIP 14-6-1999 RECORDERS NG/9K  
 DATE TRIP 20-10-99 RECORDERS AW/NG/9K  
 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.

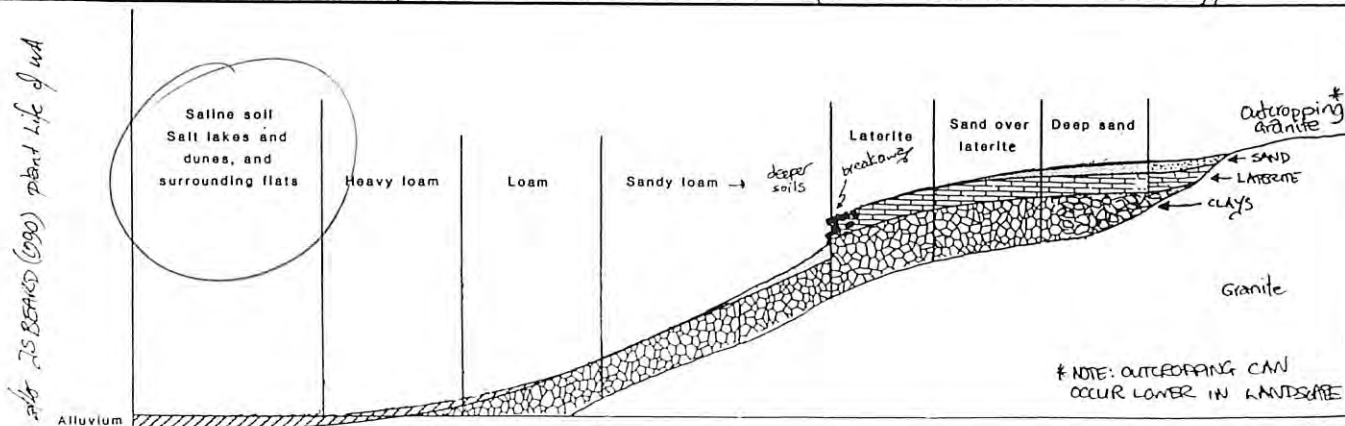


Road Location Little Unicup Lake, Unicup NR

Geographic Location Latitude 34 19 52.8 S Longitude 116 42 50.5 E Altitude 2.0  
 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 clay Colour grey  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil clay Colour grey  
 Rock type \_\_\_\_\_ depth to rock \_\_\_\_\_

Drainage well mod poor depth water 5/10 cm Wet all year winter/spring

Litter twigs % cover 40 Bare Ground 70 %cover  
 Depth 2cm cm

Excellent

$$20 \times 20$$

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

[illegible]

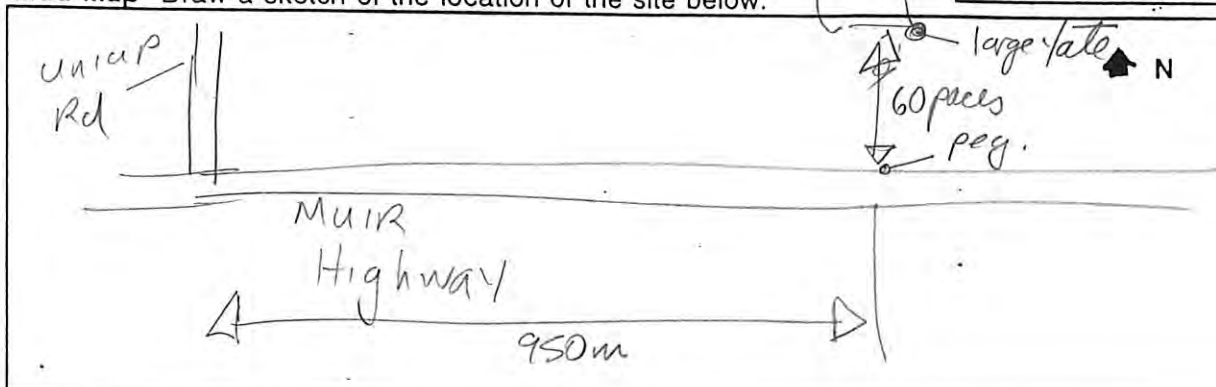
# BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA UN SITE NUMBER 23  
 DATE TRIP 14-6-1999 RECORDERS NG/GK  
 DATE TRIP 20-10-1999 RECORDERS AW/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.

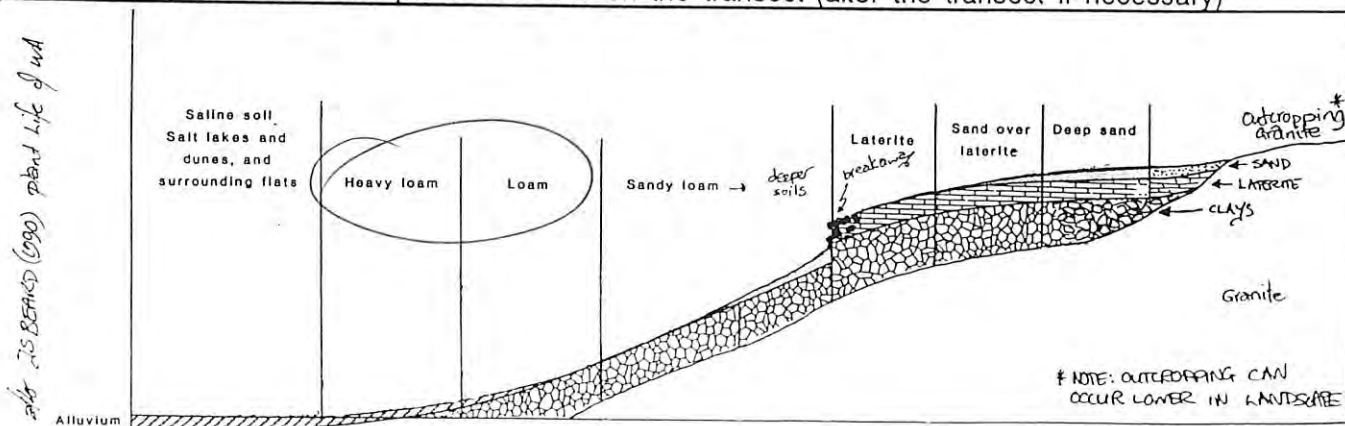


Road Location MUIR HIGHWAY

Geographic Location Latitude 34 26 59.1 S Longitude 116 45 58.4 E Altitude 2.2  
 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 flat gentle steep Aspect N NE E SE S SW W NW

Surface Soil clay loam Colour orange brown  
 Exposed rock type \_\_\_\_\_ % surface \_\_\_\_\_

Sub-surface Soil clay loam Colour orange brown  
 Rock type \_\_\_\_\_ depth to rock \_\_\_\_\_

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

Litter 1/4 twigs, stems % cover 90 70 Bare Ground 10 % cover  
 Depth 2-10 cm

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

### 3. VEGETATION STRUCTURE AND COVER

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

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

| TREES            |                                                                                   |                                                                                   |                                                                                   | MALLEES                                                                            |                                                                                     |
|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                  | over 15m                                                                          | 5-15m                                                                             | under 5m                                                                          | over 8m                                                                            | under 8m                                                                            |
| LIFE FORM        |  |  |  |  |  |
| COVER CLASS (%)  | 12                                                                                |                                                                                   |                                                                                   |                                                                                    | 10-30                                                                               |
| DOMINANT SPECIES | <i>Euc. occid</i>                                                                 |                                                                                   |                                                                                   |                                                                                    | <i>Euc. decipiens</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>Xanth. preissii</i><br><i>Hakea prost</i>                                        |                                                                                       | <i>Allocas humilis</i> 2m<br><i>Leucopogon tam</i><br><i>Hypoc. angust.</i> 1m<br><i>Acacia pulchella</i><br><i>Hakea lissoc</i><br><i>Synaph. pet</i> |

| GRASSES          |                                                                                     | HERBS                                                                               |                                                                                      | SEDGES                                                                               |                                                                                                           |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|                  | over 0.5m                                                                           |                                                                                     |                                                                                      | over 0.5m                                                                            | under 0.5m                                                                                                |
| LIFE FORM        |  |  |  |  |                      |
| COVER CLASS (%)  | 2-10                                                                                | 10/30                                                                               |                                                                                      |                                                                                      | 30/70                                                                                                     |
| DOMINANT SPECIES |                                                                                     | <i>Cham. serra</i>                                                                  |                                                                                      |                                                                                      | <i>Desmod. fascic</i> 1m<br><i>Mesomet. preiss</i><br><i>Trichostul. neesii</i><br><i>Anarthra laevis</i> |

#### 4. VEGETATION CONDITION

### Comments

excellent

$$20 \times 20$$

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

20-10-1999

Mel. preissiana -

[illegible]

X *Stackhousia monogyna*  
X *Dryandra lindleyana*

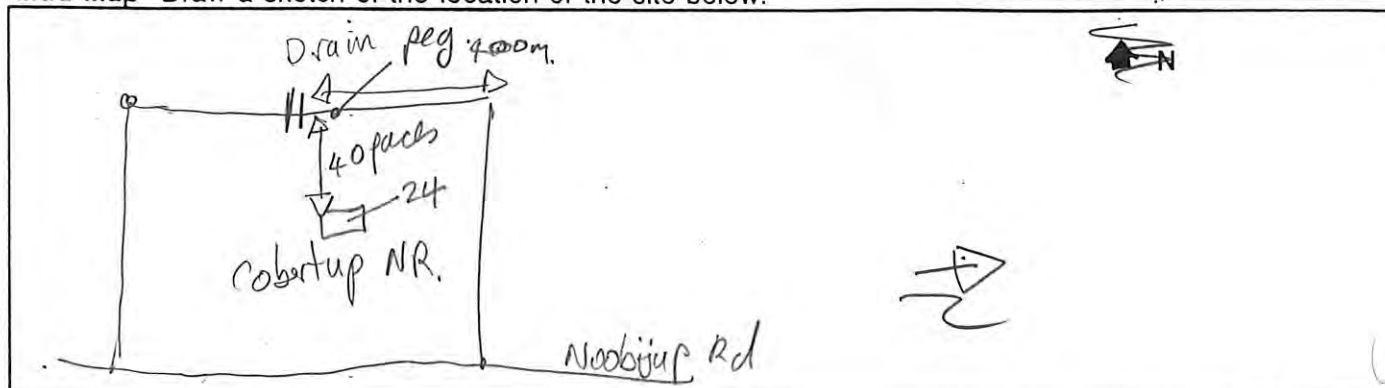
**BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only**

BUSHLAND AREA UN SITE NUMBER 24  
 DATE TRIP 14-6-1999 RECORDERS NG/GK  
 DATE TRIP 20-10-1999 RECORDERS AW/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.

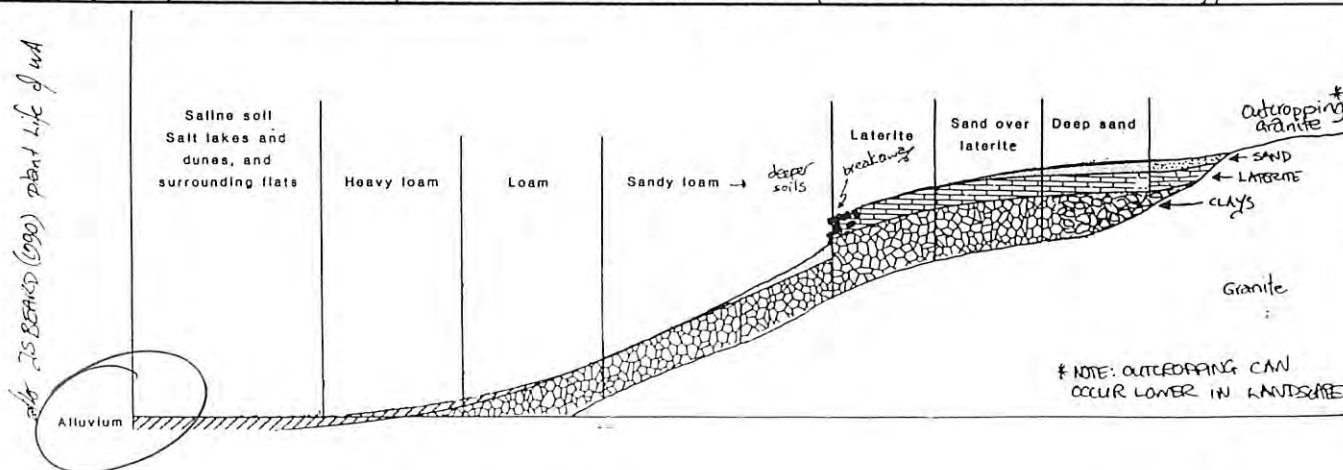


Road Location Noobigup Rd / Cobertup NR

Geographic Location Latitude 34 27 18.9 S Longitude 116 49 25.0 E Altitude 202  
 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        | gentle | steep   | Aspect      | N             | NE          | E   | SE       | S             | SW | W | NW |
| Surface Soil     | gritty clay |        |         |             | Colour        | grey        |     |          |               |    |   |    |
| Exposed rock     | type        |        |         |             | % surface     |             |     |          |               |    |   |    |
| Sub-surface Soil | clay        |        |         |             | Colour        | grey        |     |          |               |    |   |    |
| Rock             | type        |        |         |             | depth to rock |             |     |          |               |    |   |    |
| Drainage         | well        | mod    | poor    | depth water | 10            | cm          | Wet | all year | winter/spring |    |   |    |
| Litter           | + Wigs, lvs |        | % cover | 30          | Bare Ground   | 30 (summer) |     | % cover  |               |    |   |    |
|                  | Depth       |        | 2-5     | cm          |               |             |     |          |               |    |   |    |

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

### 3. VEGETATION STRUCTURE AND COVER

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

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

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

| SHRUBS           |                                                                                                                                                                         |                                                                                     |                                                                                     | SHRUBS                                                                               |                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                  | over 2m                                                                                                                                                                 | 2m - 1.5m                                                                           | 1.5 - 1m                                                                            | 1 - 0.5m                                                                             | under 0.5m                                                                            |
| LIFE FORM        |   |  |  |  |  |
| COVER CLASS (%)  | 2-10                                                                                                                                                                    | 2                                                                                   |                                                                                     |                                                                                      | 2                                                                                     |
| DOMINANT SPECIES | Mel. viminea                                                                                                                                                            | Hakea varia                                                                         |                                                                                     |                                                                                      | Boronia lanata                                                                        |

| GRASSES          |                                                                                     | HERBS                                                                                                  | SEDGES                                                                              | SEDGES                                                                               |                                                                                       |
|------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                  |                                                                                     |                                                                                                        |                                                                                     | over 0.5m                                                                            | under 0.5m                                                                            |
| LIFE FORM        |  | mixed in spring<br> |  |  |  |
| COVER CLASS (%)  | < 2                                                                                 | 10/30                                                                                                  |                                                                                     |                                                                                      | > 70                                                                                  |
| DOMINANT SPECIES |                                                                                     | Drosera rotundifolia                                                                                   |                                                                                     |                                                                                      | Mertensia canus                                                                       |

#### 4. VEGETATION CONDITION

### Comments

excellent

burnt ca 6 yrs ago

20 x 20

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

Record on Sheet

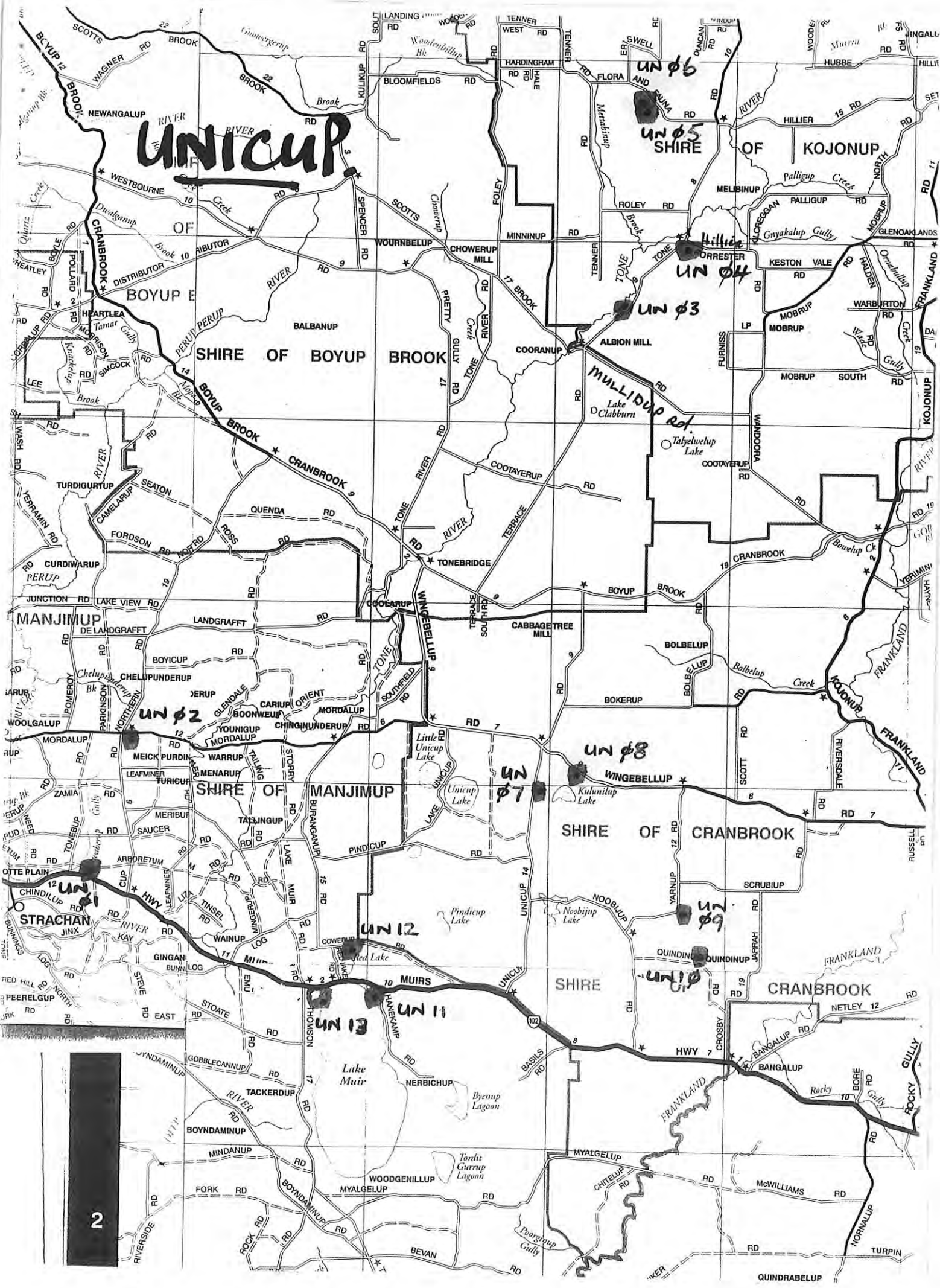
- Column 1      plant name
- Column 2      plant number
- Column 3      flowering time- TICK if species flowering
- Column 4      identification check

20 - 10 - 1995

name if required  
*Euc. occidentalis*

[illegible]

Cytogonidium leptocarpoids



UNICUP

SHIRE OF BOYUP BROOK

SHIRE OF MANJIMUP

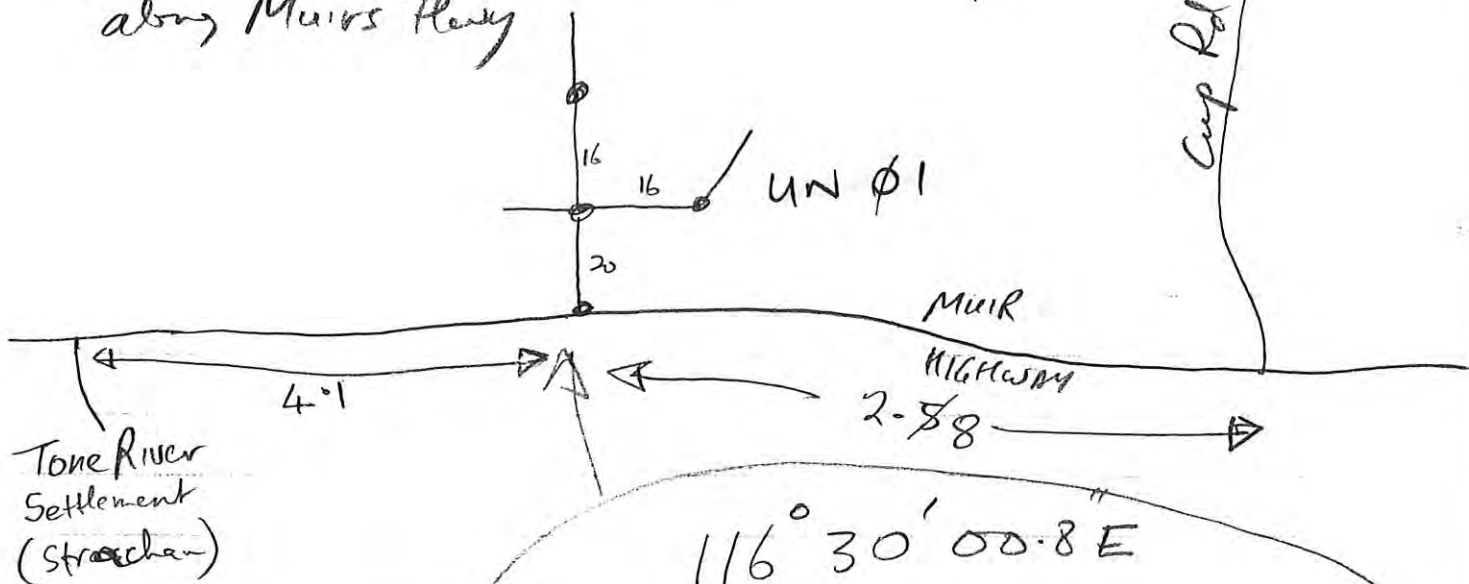
SHIRE OF CRANBROOK

SHIRE OF KOJOONUP

# Unicap Survey Area State Forest

40 km E of Manjimup  
along Muir's Hwy

N  
↑



$116^{\circ} 30' 00.8'' E$

$34^{\circ} 23' 13.1'' S$

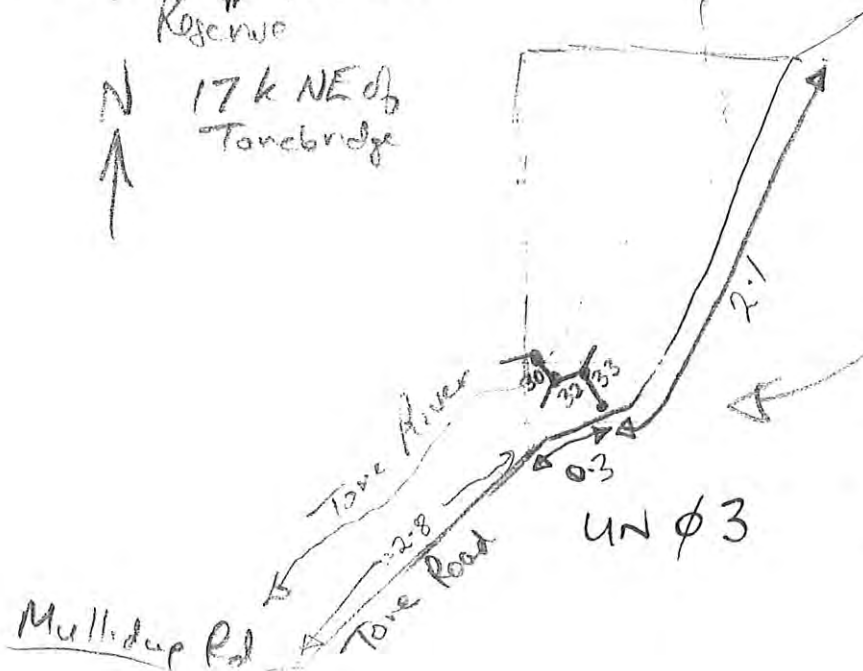
Czat: Deep Yellow sand slope ~~and~~  
~~leaf~~ drainage floor

Jarrah Wood / *Banksia grandis* +  
*Personia*, *Xanthorrhoea*, *Marozomia*,  
~~Sedg~~ ~~Res~~ + litter

## Mininup Nature Reserve

N  
↑

17 km NE of  
Tonbridge



Qrc - Cza  
Valley floor flat  
of Wandoo-Yale Wood  
over Grasses + Sedges  
+ leaf litter

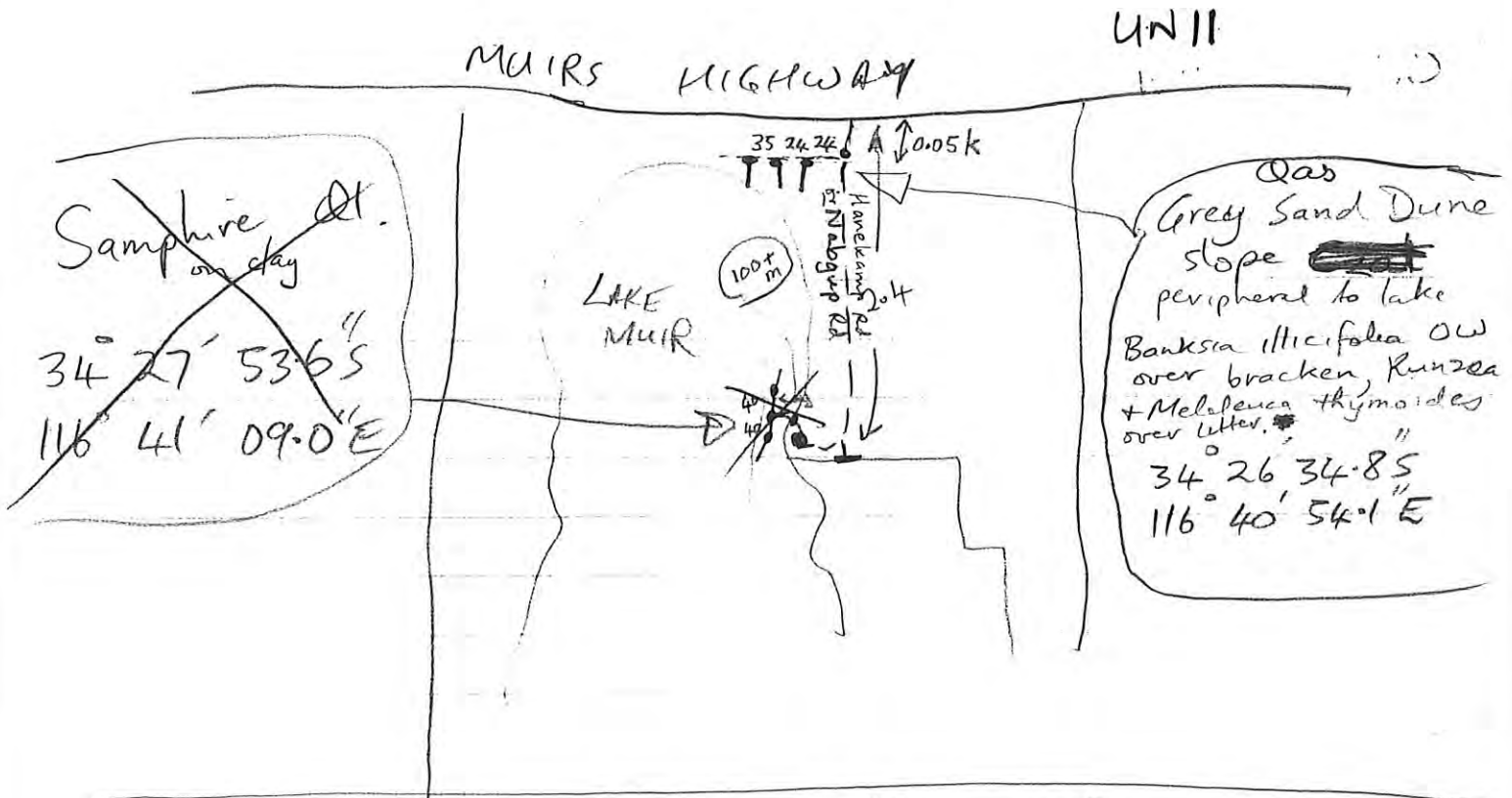
[clayey loam +  
secondary  
laterite cobbles  
mottled gray ~~brown~~ clay to  
> 90 cm + ? depth]

$34^{\circ} 06' 18.9'' S$

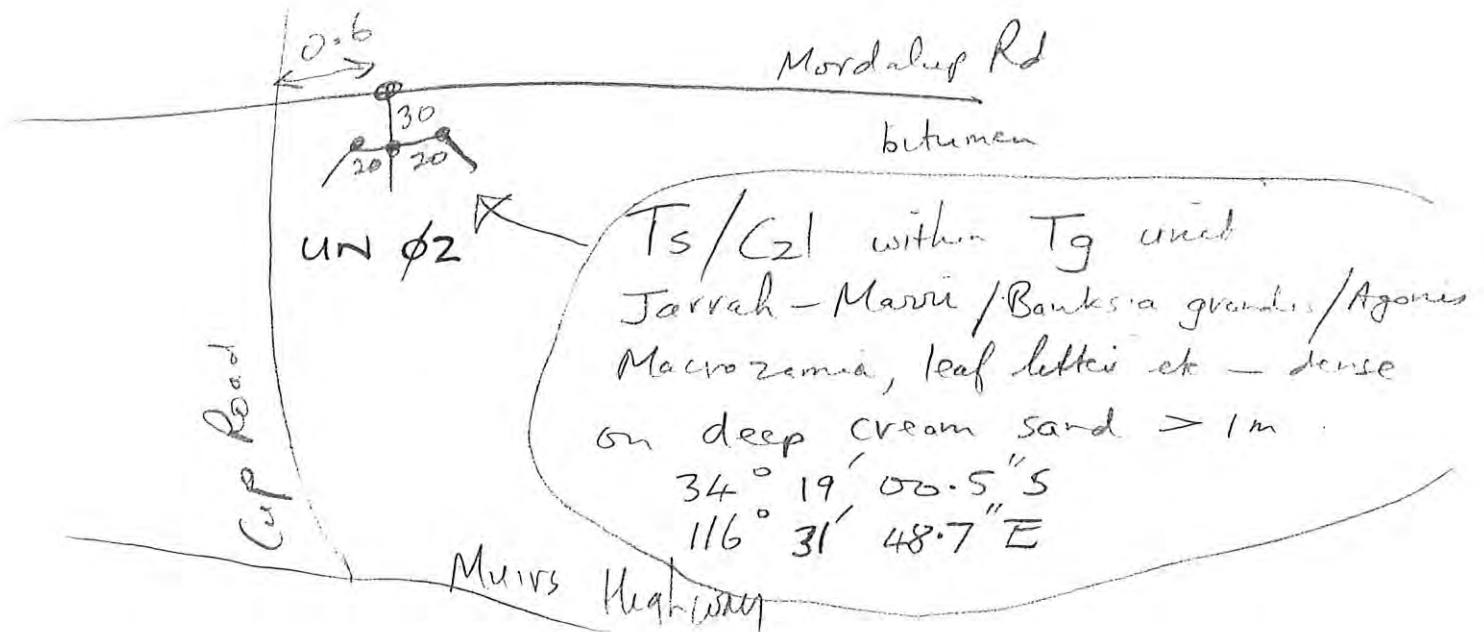
$116^{\circ} 49' 34.6'' E$

# UNICUP SURVEY AREA

~~UNICUP~~ LAKE ~~IR~~ MUIR NR



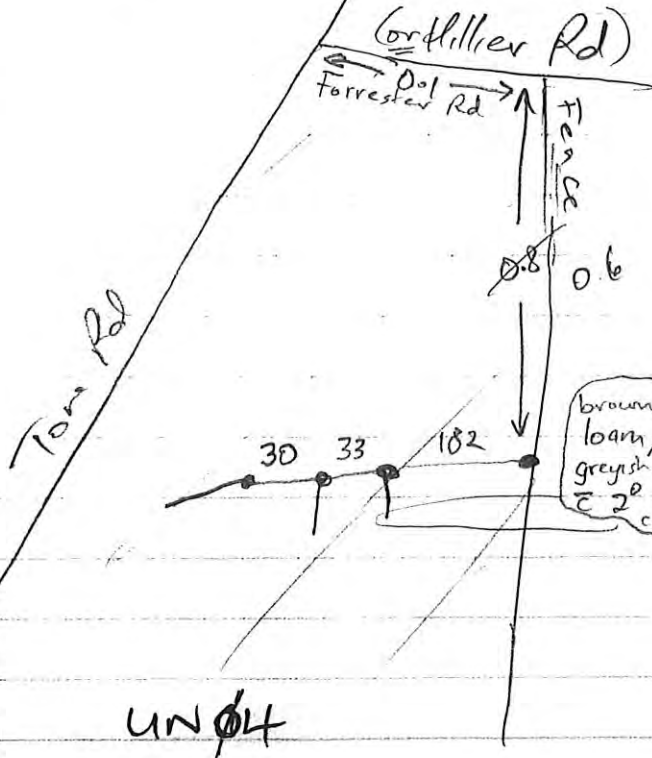
19 k NW of Lake Muir NR



# UNICUP SURVEY AREA

Unmarked Reserved (unfenced corner block)

20 km NE of Townbridge



Qrc - Cza sandy flat skinned & clay. dead & dying

Wandoo + Yate

over Melaleuca shrubs

samphire + grasses in

Qrc - Cza flat below

~~Qrc~~ <sup>(Qrc)</sup> (Surface) slope

well down slope of Age granite outcrops - Baywurup Rock

34° 04' 30.4" S

116° 51' 48.5" E

# UNICUP SURVEY AREA

NR 15388

29 km NE of Tonerbridge  
Metabirup NR

36  
75  
60

B. Balkulling Analogue  
Loam / Mottled clay  
Wardoo Wood  
over *Gastrolabium*  
*Xanthorrhoea*, *Hakea*  
*Borhya* + grasses.  
34° 00' 14.0" S  
116° 50' 21.1" E

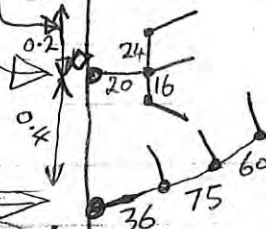
York Surface  
Brown Clay Loam  
over granite (shallow)  
+ outcropping grit  
in profile

Red Gum + a few Jarrah  
over scattered shrubs of  
*Xanthorrhoea*, *Gastrolabium* + *Hakea*  
prostrate / *Borhya* + grasses.

34° 00' 24.1" S  
116° 50' 21.0" E

3.1  
NOT WET WEATHER  
access

UN 06



UN 05

FORA + FAUNA  
Rd

TONE Rd

KULUNILUP NR

5 km E of Lake Unicup

C2a - salted  
clay / sand / laterite cobbles

34° 20' 00.2" S  
116° 48' 02.5" E

*Melaleuca cuticularis*  
*M. spatulata*  
*M. viminea*  
over bare clay

Deep grey sand.  
C2a sandy rise  
*Melaleuca preissiana*  
*Euc. decipiens*  
*Banksia littoralis*  
+ a few Jarrah + *Nuytsia*  
over *Hypocalymna*  
*Xanthorrhoea* + sedges

34° 20' 56.3" S  
116° 46' 20.6" E

UNICUP Rd

WINGE BELLUP Rd

2.5 km

UN 07

UN 08

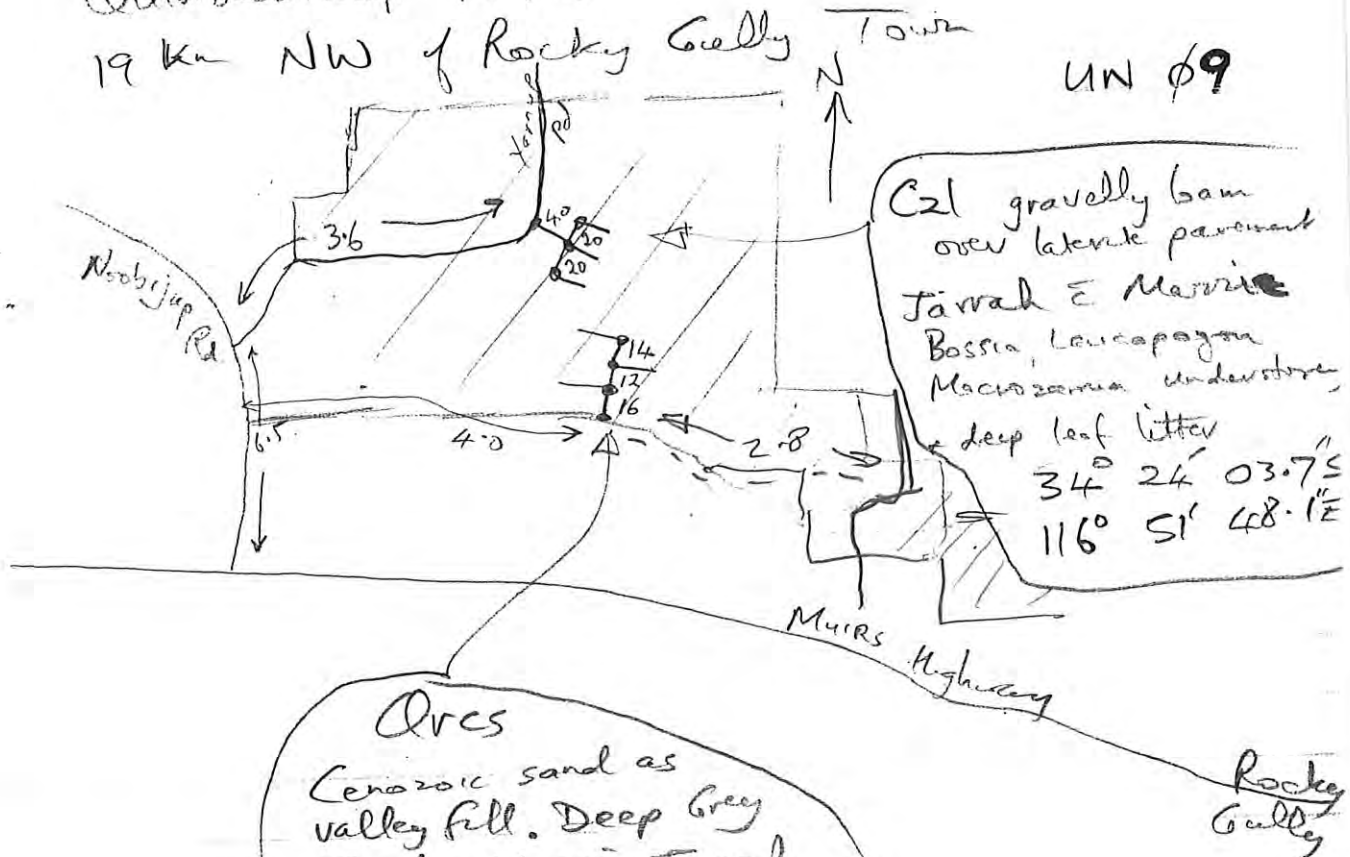


# Unicup Survey Area

Quindimnap NR

19 km NW of Rocky Gully Town

UN 09



## Qrcs

Cenozoic sand as valley fill. Deep Grey sand. Marri-Jarrah over Xanthorrhoea + Shrubs + Sedges

34° 25' 45.7" S  
116° 52' 44.8" E

UN

10

# UNICUP STUDY AREA

## VCL around Red Lake, on north end of Lake Muir

