

QUADRAT DATA SHEETS

for the

LANSDELL'S PROPERTY AT POPANYINNING

POPO 01 → POPO 20

POPO 6 has gone missing!

- Banksia prionotes tall open
shrubland over closed mixed
herbland.

- Banksia's had died (salt?)
but there were still 47 species
(40 natives, 7 weeds).

If you really think it's important
I could ask the Lansdells for
a copy - they should have one

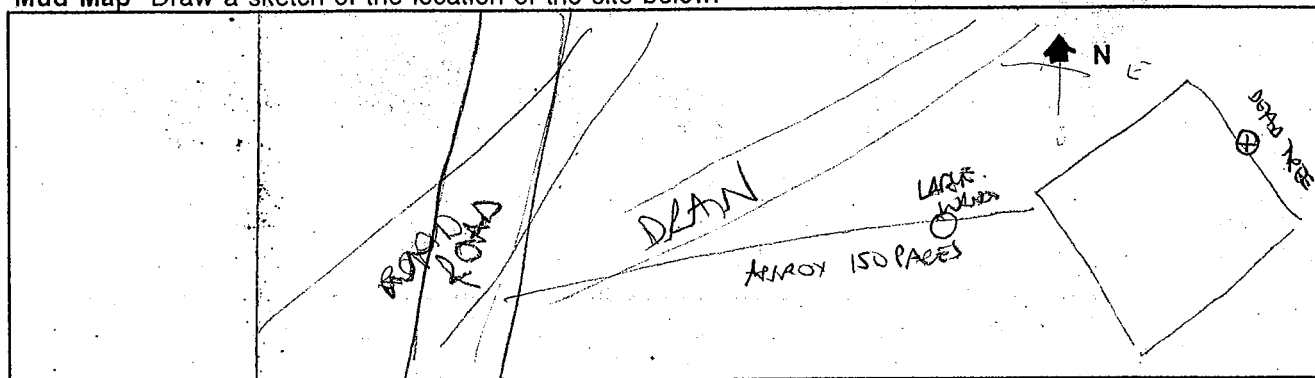
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA POPOYANINING - WANDILLI FARM SITE NUMBER 1
 DATE TRIP 21-9-96 RECORDERS NICKY, LOGAN, ALICE,
 DATE TRIP _____ RECORDERS JENNIFER
 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 Great Southern Hwy - Hotham South River.

Geographic Location Latitude 32° 40' 50.2" S Longitude 117° 08' 36.1" E Altitude 417 ± 150

Reference Map

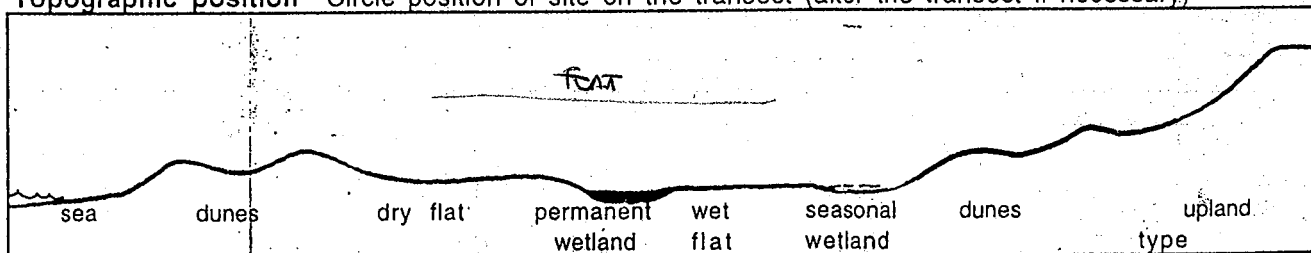
32° 40' 50.2" 117° 08' 36.1"

Photograph

Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil CLAY Colour BROWN

Exposed rock type SANDSTONE WITH ROL 82 % surface

Sub-surface Soil CLAY Colour GRAY BROWN

Rock ? type depth to rock

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

Litter 30-70 % cover Bare Ground 2-10 % cover
 Depth 1 cm

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No POP1
Date 21-9-96.
13/11/96 Start 29

Record on Sheet

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
EUC SALMON ORCHLOIA	1	✓	✓	*Stipa trichophylla	45	✓	✓	Gonocarpus nodulosus	26	✓	✓
EUC & WANDOO	2	✓	✓	*Vulpia myuros	NS	✓	✓	Lagenifera huegellii	5=28	✓	✓
				*Aristida Coryophylla no sp	34	✓	✓	*Ptilotus mangleri	36	✓	✓
				*Bromus horridus	33	✓	✓	*Sonchus oleraceus	25=37	✓	✓
				*Bromus rubens	32	✓	✓	*Ersinia anthemoides	38	✓	✓
				*Briza maxima no sp				*Euchiton sphaericus	39	✓	✓
MALLEES				Notodanthonia setacea	31	✓	✓	*Eranthis apocynifolia	40		
				*Stipa elegantissima	30	✓	✓	*Trichone sphaerulata	41	✓	✓
				GRASSES				Phyllanthum prostratum	29	42	✓
				*Stipa - Notodanthonia subsp.	10	✓	✓	*Centaurium erythraea	NS		
				*Stipa sp. - Prob = 30 A. elegantissima	12	✓	✓	*Quinetia urvillei	NS		
SHRUBS				*Briza maxima	15	✓	✓	*Trifolium arvense	42	✓	✓
DAMESIA benthamii ssp. benthamii	3	✓	✓	Very small grass	22	✓	✓	SEDGES			
Eubuxia virgata	4	✓	✓	*Lolium = 29	24	✓	✓	Gahnia aristophylla (=34)	11	✓	✓
				*Lolium rigidum	29	✓	✓	*Isoplepis setiformis	14	✓	✓
								*Sclerurus scirpoides	15	✓	✓
								*Chorizandra enodis	27	✓	✓
				HERBS				Gahnia sp. 'Duff' bases' (IC Newbey 511)	34	✓	✓
								*Chorizandra enodis	27	35	✓
				Lagenifera huegellii	5	✓	✓	*Juncus radula	43	✓	✓
				*Thelymitra macrophylla	6	✓	✓				
				*Hypoxis glabella	7	✓	✓				
				*Thysanotus patersonii	8	✓	✓				
				*Phyllanthum paradoxum (=44)	9	✓	✓				
				*Trichocline spathulata =41	13	✓	✓				
				*Weed - Hypochaeris glabra	16	✓	✓				
				*Ersinia anthemoides	17	✓	✓	ADJACENT			
				*Hydrocotyle diantha	20	✓	✓	Eubuxia microphylla		✓	✓
				*Angulus arvensis	21	✓	✓	Acacia lasiocarpa		✓	✓
				*Anthropodium capillipes	23	✓	✓	Quinetia urvillei			
				*Sonchus sp	25	✓	✓	Crassula decumbens		✓	✓
				*Trifolium subterraneum	19	✓	✓	Acacia erinacea			
								Romulea rosea			
								Rhodanthe laevis			

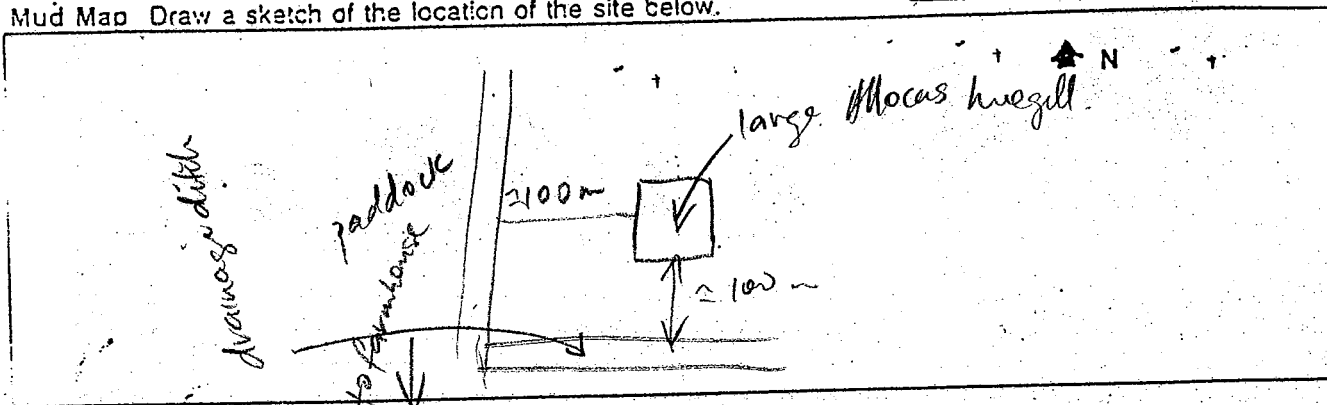
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lansall's Farm Popanyung SITE NUMBER POP 2
 DATE TRIP 21/9/96 RECORDERS MP, KA, NC, JM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST C.T.

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

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 32° 40' 7.91" S Longitude 117° 08' 57.2" E Altitude 254 ± 55

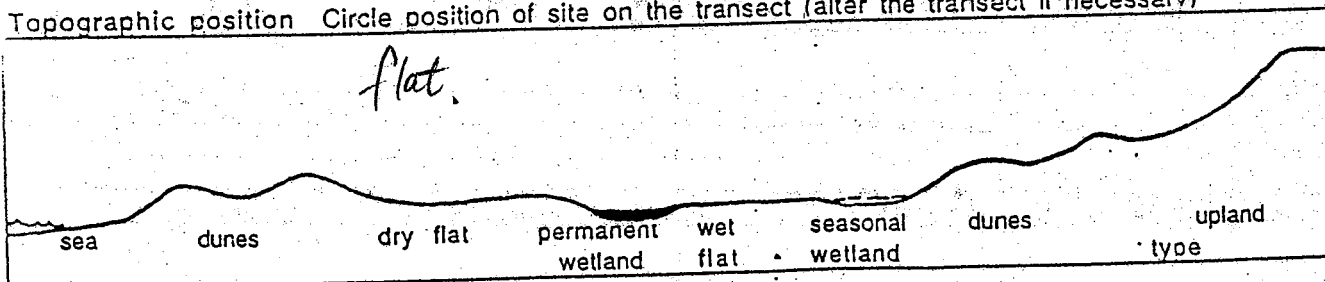
Reference Map 32° 40' 47.5" 117° 08' 34.3"

Photograph

Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil sandy 2/loam Colour light brown
 Exposed rock type _____ % surface _____

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

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

Litter Depth 95 % cover _____ Bare Ground < 1 % cover

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No POP 2.
Date 21/9/96
13/1/96 No 34 →

Record on Sheet

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

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

TREES (no spec)	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Allocasuarina huegeliana</i>	1		✓					* <i>Oxalis purpurea</i>	16		✓
								* <i>Trifolium subterraneum</i>	20	✓	✓
								* <i>Ursinia anthemoides</i>	21	✓	✓
								* <i>Pareutocellia latifolia</i>	22	✓	✓
								<i>Bomarea laciniata</i>	24		✓
				Grasses				* <i>Arrhaphodum capillipes</i>	25		✓
MALLEES				<i>Austrostipa semibarbata</i>	48	✓	✓	* <i>Phyllangium sulcatum</i>	28		✓
				GRASSES				<i>Dioscorea bulbosa</i>	29		✓
				<i>Neorachne alepcuroides</i>	4	✓	✓	<i>Calandrinia</i> sp.	30		✓
				* <i>Briza maxima</i>	18	✓	✓	(<i>Rhodanthe laevis</i> (= 4 = 49))	31	✓	✓
				Hard grass scabrous	19		✓	<i>Romulea</i> sp. rosea	32		✓
SHRUBS				<i>Shrub Eleocharis</i>	26	✓	✓				
<i>Hibbertia ruficarpa</i>	21	✓	✓	* <i>Araucaria cupaniana</i> / <i>caroph</i>	33	✓	✓	SEDGES			
				* <i>Araucaria cupaniana</i> / <i>caroph</i>	40	✓	✓	<i>Aphelia brizula</i>	17		✓
				* <i>Lolium rigidum</i>	43	✓	✓	<i>Desmodium</i> sp. <i>flavescens</i>	27		✓
Herbs (cont.)				* <i>Briza minor</i> no spec	44		✓	<i>Isolepis setiformis</i>	19		✓
<i>Rhodanthe citrina</i>	34	✓	✓	<i>Austrostipa trichophylla</i>	46	✓	✓				
<i>Lobelia sibirica</i>	35	✓	✓	HERBS							
<i>Wahlenbergia preissii</i>	36	✓	✓	<i>Mysargolus patersonii</i>	2	✓	✓				
<i>Podochilus angustifolia</i>	37		✓	<i>Caladenia flava</i>	3	✓	✓				
<i>Paranthera microphylla</i>	38	✓	✓	* <i>Trachymene</i> sp. (<i>pilosa</i>)	5		✓				
<i>Blennospora drummondii</i>	39	✓	✓	<i>Phyllangium paradoxum</i>	6		✓				
<i>Gonolobus nodulosus</i>	41	✓	✓	<i>Rhodanthe citrina</i>	7	✓	✓				
* <i>Podolepis gracilis</i>	42	✓	✓	<i>Oglaucus dasy</i>	8		✓				
<i>Syntherisma tenuissima</i>	47	✓	✓	<i>Rhodanthe laevis</i> (= 31 = 49)	9	✓	✓				
<i>Rhodanthe laevis</i> = 31 = 9	49	✓	✓	<i>Polypodium piliferum</i> var. <i>glaberrima</i>	10		✓				
<i>Caesia alfordii</i>	50	✓	✓	<i>Velleia cynoglossum</i>	11	✓	✓				
				* <i>Sonchus</i> sp.	12		✓				
				<i>Dioscorea glanduligera</i> (<i>pyramidalis</i>)	13	✓	✓				
				<i>Podolepis gracilis</i> = 42	14	✓	✓				
				* <i>Hypochaeris glabra</i>	15		✓				

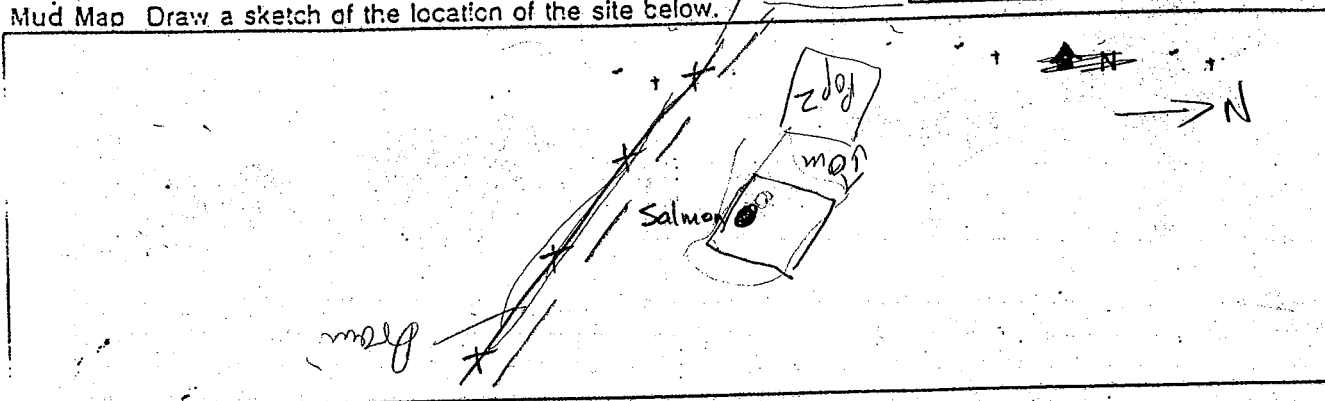
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lansdells Farm - Popanginning SITE NUMBER POP-3
 DATE TRIP 21-9-96 RECORDERS R CAMPBELL
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



Road Location

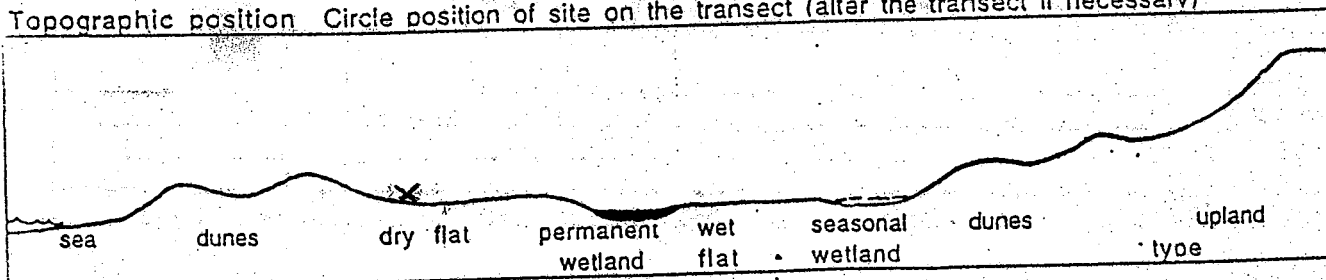
Geographic Location Latitude 32° 40' 776 S Longitude 117° 08' 577 E Altitude

Reference Map 32° 40' 46.6" 117° 08' 34.6"

Photograph Photocracher's Name

Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil CLAY Colour GRAY-BROWN
 Exposed rock NO type % surface

Sub-surface Soil CLAY Colour GREEN BROWN
 Rock NO type depth to rock

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

Litter Depth 30-70 % cover Bare Ground 10-30 % cover
1-10 cm

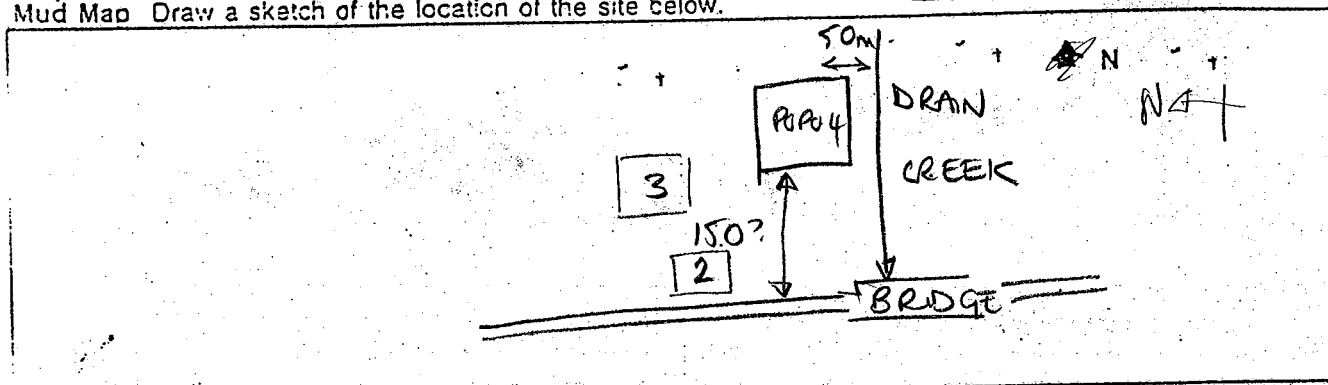
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA LANSDALE'S POPANWINNING SITE NUMBER POPO.4
 DATE TRIP 21/9/96 RECORDERS E. DOWLING, CRISP, G. GATH, B. BUTLER
 DATE TRIP _____ RECORDERS D. BIRD, K. & L. LANSDALE, A. GUINNESS
 DATE TRIP _____ RECORDERS + C. SCULLY + ANNE BELMAN
 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 31 Nedlands WA 6008.

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



Road Location

Geographic Location Latitude 32° 40' 8.12S Longitude 117° 08' 54.8E Altitude

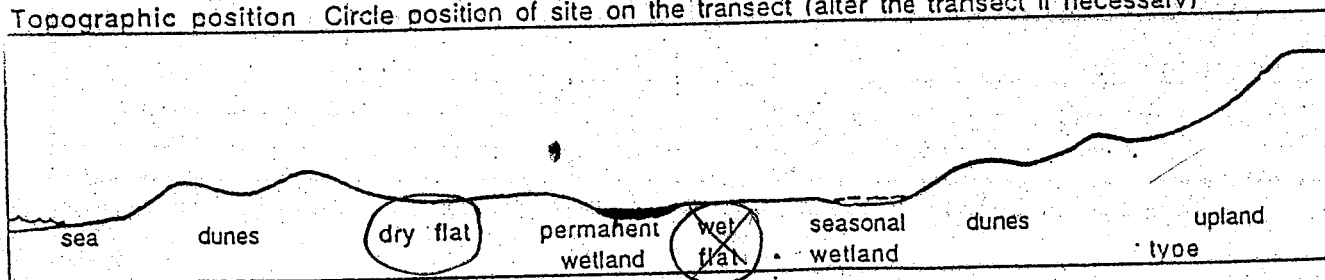
Reference Map 32° 40' 48.7" 117° 08' 32.9"

Photograph

Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

Slope flat gentle steep

Aspect N NE E SE S SW W NW

Surface Soil LOAM

Colour LIGHT BROWN

Exposed rock type N/A

% surface

Sub-surface Soil CLAY

Colour BROWN/YELLOW

Rock type

depth to rock

Drainage well mod poor depth water

cm

Wet all year

winter/spring ☒

Litter

70

% cover

Bare Ground

% cover

Depth

X1

cm

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No 0000 4

Date 28/9/96

13/11/96 - start

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

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

TREES				SHRUBS (cont.)				HERBS (cont.)			
No	FI	ID		No	FI	ID		No	FI	ID	
EUC. wandoo	✓	1	✓					Rhodanthe manglesii	✓	27	✓
EUC. salmonophloia	✓	2	✓					Andropogon ? Senecio sp.	✓	29	✓
								Drosera glanduligera	✓	30	✓
								Crassula colorata var colorata	✓	31	✓
				Danthonia	✓	42	✓	Conostylis sp.	✓		✓
				Austroshpe trichophylla	✓	35	✓				
				* Vulpia myuros	✓	37	✓	Lobelia Sibbosa	✓	38	✓
				* B. liza maxima	✓	NS	✓	Vellera cyenopotamica	✓		✓
				* Bromus rubens	✓	40	✓	= site 2.			
				GRASSES				Wahlenbergia preissii	✓	41	✓
				Grass sp. ? Vulpia = 37	✓	18	✓	Lagenifera huegelii = 32	✓	(14)	✓
				Grass sp.	✓	19	✓	Lobelia rhombifolia	✓	43	✓
				Stipa sp. ? elegantissima	✓	20	✓				
				Grass sp.	✓	21	✓				
				Neurachne alopecuroides	✓	22	✓	SEDGES			
				* Aira sp. coryophylla	✓	23	✓	Deorhododus Plowora	✓	26	✓
				* Silver grass (Vulpia myuros)	✓	28	✓	= L. Plowora	✓	39	✓
				HERBS							
				Sowerbaea latiflora	✓	6	✓				
				Drosera subhirtella subsp. subhirtella	✓	7	✓				
				Caladenia flava	✓	8	✓				
				* Ursinia anthemoides	✓	9	✓				
				Thysanotus patersonii	✓	10	✓				
				Borcia scarpoides	✓	11	✓				
				* Millotia tenuifolia var. tenuifolia	✓	12	✓				
				* Heteropterum gracile	✓	13	✓				
				* Trachymene charnifolia	✓	15	✓				
				Philotus declinatus = 16	✓	16	✓				
				* Hypochaeris glabra	✓	17	✓				
				* Rhynchospora rosea	✓	24	✓				
				(P4) Wurmbia drummondii	✓	25	✓				

12/11/96

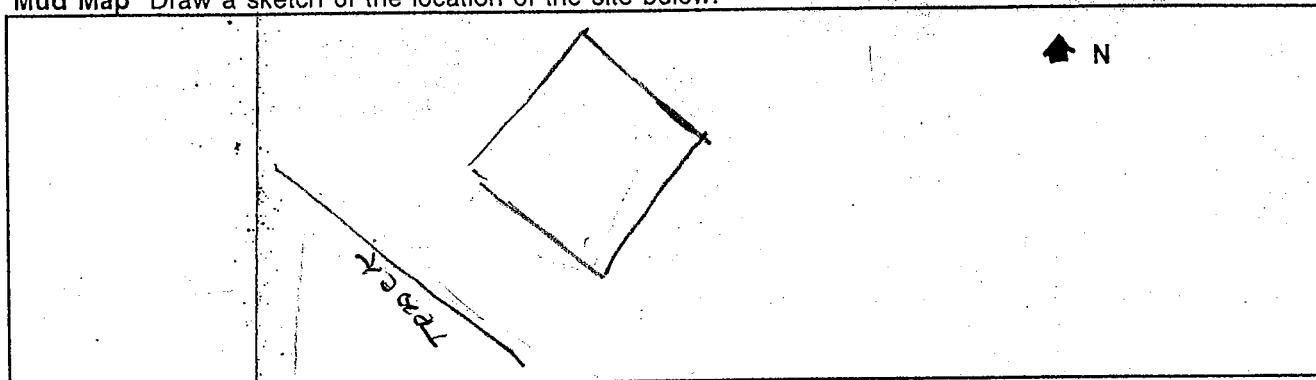
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA LANDSELL SITE NUMBER POP 5
 DATE TRIP 21/9/96 RECORDERS JEFF, MARY, ROBIN
 DATE TRIP _____ RECORDERS GARY & DIANE MATTHEWS
 DATE TRIP _____ RECORDERS ANNE MIEKE HOMES
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



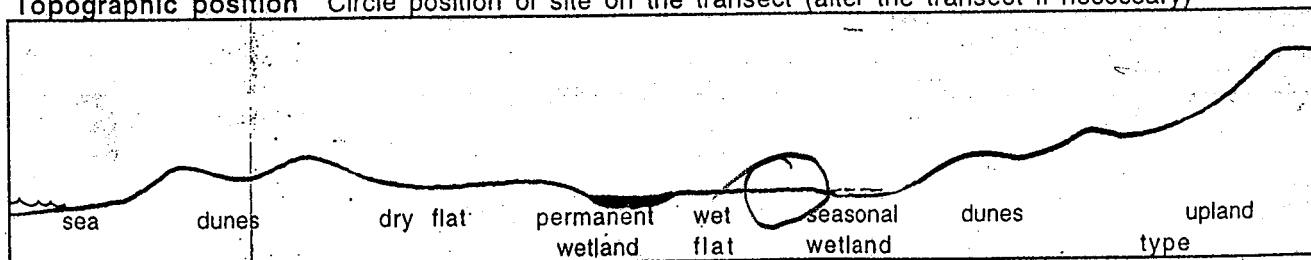
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map

Photograph _____ Photographer's Name _____ Photo No _____

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



2. SITE DATA Circle the correct response.

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

Surface Soil _____ type CLAY Colour DARK BROWN
 Exposed rock _____ type NIL % surface _____

Sub-surface Soil _____ type CLAY Colour DARK BROWN
 Rock _____ type NIL depth to rock _____

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

Litter OVER 70 PL. % cover
 Depth 0.5 cm Bare Ground less 2 PL. % cover

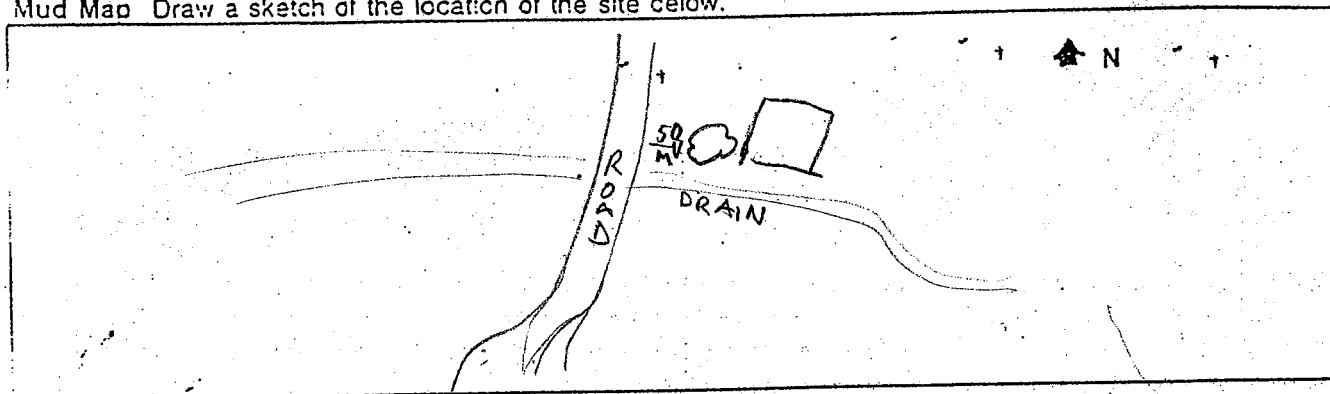
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lansdell's Farm ^{popangining} SITE NUMBER Pop 7
 DATE TRIP 21/9/96 RECORDERS MR KA JM NC
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST CT

From 'Bushland Plant Survey' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 24 Nedlands WA 6008.

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 32° 40' 33" Longitude 117° 08' 37.7" Altitude

Reference Map

32° 40' 33"

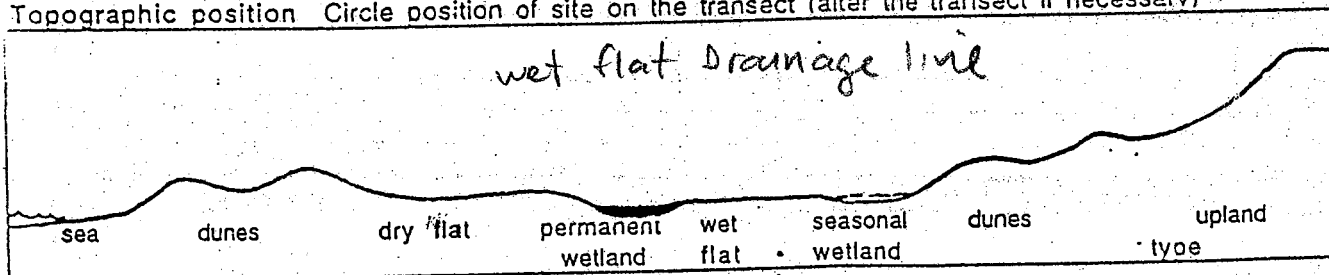
117° 08' 37.7"

Photograph

Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

Slope ☒ 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 brown
 Rock type depth to rock

Drainage well ☒ poor depth water at surface cm Wet all year winter/spring

Litter 2-10 % cover
 Depth < 1 cm Bare Ground < 2 % cover

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESENCE

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

SITE No 7
 Date 21-9-96
13/11/96

Record on Sheet

Part 43

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Eucalyptus adnigrum</i>				<i>Crassula exserta</i>	61			<i>Drosera menziesii</i> (pink)	23		
				<i>Paterosia occidentalis</i>	44			<i>Drosera (purple) orange</i>	24		
				<i>Lolium rigidum</i>				<i>Tribonanthes longipetala</i>	25		
				<i>Bromus hordeaceus</i>	46			<i>Gonocarpus nodulosus</i>	26		
				<i>Polypogon monspeliensis</i>	49			<i>Homera flaccida</i>	28		
				<i>Cynus capitatus</i>	60			<i>Blennospora drummondii</i> (36)	30		
MALLEES				<i>Cyperus tenellus</i>	53			<i>Leptocarpus menziesii</i>	31		
				<i>Porta pholis incurva</i>	54			<i>Anagallis arvensis</i> (discarded)	33		
				GRASSES <i>Hordeum geniculatum</i>	67			<i>Tribolium campestre</i>	34		
				<i>Briza maxima</i>	10			<i>Tribolium dubium</i>	36		
				<i>Paranotodanthonia</i> sp. = 64	32			<i>Chamaecilla corymbosa</i>	38		
SHRUBS				<i>Stipa elegantissima</i>	NS			<i>Triglochin calitrapum</i> sp. incurvum	39		
<i>Verticordia densiflora</i>	2			<i>Briza minima</i>	NS			<i>Ursinia anthemoides</i>	40		
var. densiflora				<i>Vulpia myuros</i>	NS			SEDGES			
<i>Callitriche</i> = 3 <i>Notanthe</i>	3			<i>Notodanthonia setacea</i>	64			<i>Caustis dioica</i>	15		
<i>Acacia saligna</i>	4			<i>Selaginella gracillima</i>	57			<i>Centrolepis pilosa</i>	18		
<i>Astirtea</i> sp. (papillate stegs)	5			<i>Gnaphosia drummondii</i>	58			<i>Cyperus tenellus</i>	53		
<i>Hakea nelsii</i>	6			<i>Triglochin calitrapum</i> ssp. incurvum	65			<i>Scheuchzeria plumosus</i>	27		
<i>Acacia saligna</i>	4			HERBS <i>Triglochin mucronata</i>	66			<i>Isolepis setiformis</i> = 45	29		
<i>Operculana vaginata</i>	56			<i>Drosera menziesii</i> (pink)	1			<i>Leptosperma ad. resinosa</i> (pink)	37		
<i>Avena barbata</i>	68			<i>Hypoxis glabella</i>	7			<i>Chorizanthe enodis</i>	35		
<i>Gonocarpus nodulosus</i>	59			<i>Dubius laxiflora</i>	8			<i>Isolepis setiformis</i> = 29	45		
<i>Juncus balanus</i>	47			<i>Caesia affordii</i>	9			<i>Centrolepis polygyna</i>	55		
<i>Monopsis debilis</i>	48			<i>Romulea rosea</i>	11			<i>Aphelia cyproides</i>	62		
<i>Brachycome bellidoides</i>	50			<i>Oxalis purpurea</i>	12			HERBS (cont.)			
<i>Plantago sp. aff. debilis</i>	51			<i>Caladenia pulchra</i> subsp. candicans	13			<i>Crassula rotans</i> var. minus	41		
<i>Stylidium roseo-alatum</i>	52			<i>Cotula coronopifolia</i>	14			<i>Fine grey herb</i> - moss	42		
<i>Anthropodium pressum</i>	NS			<i>Hypocheris glabra</i> (discarded)	16						
				<i>Bordia laciniata</i>	17						
<i>Blennospora drummondii</i>	36			<i>Thysanotus tenellus</i>	20						
<i>Lomandra caespitosa</i>	63			<i>Seserbia laxiflora</i>	21						
<i>Tribolium cernuum</i>				<i>Drosera raimellose</i>	22						
				<i>Cotula bipinnata</i>	14						

ADJ. Yellow daisy *Rhodanthe citrina* ✓

Eucalyptus rudis adj.
Eleocharis sp. adj. = *E. key* (very common) (16+)

NSA

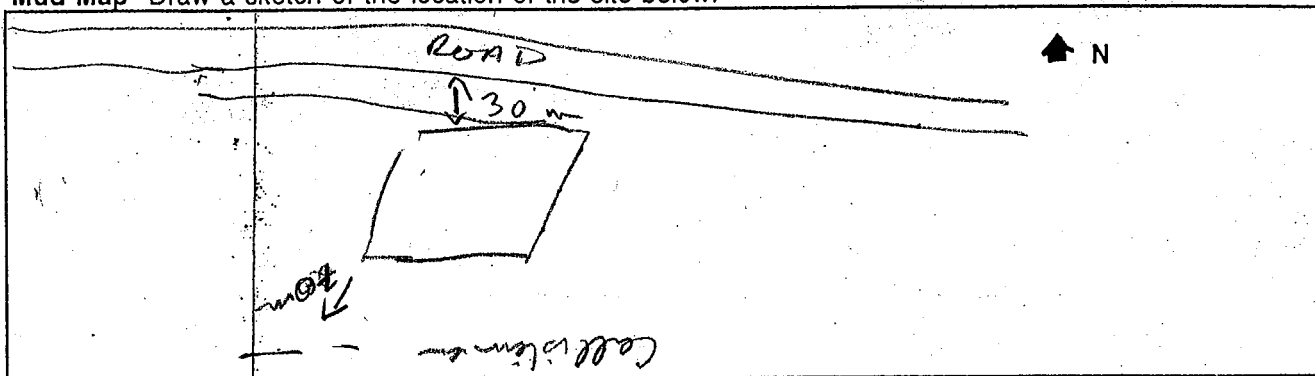
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Kansdell's Farm, Popanyinning SITE NUMBER POPopanyinning 8
 DATE TRIP 21-9-96 RECORDERS Gillian Jennifer
 DATE TRIP _____ RECORDERS Leanne
 DATE TRIP _____ RECORDERS Nancy
 BOTANIST _____

1. LOCATION of the QUADRAT

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

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



Road Location

Geographic Location Latitude 32° 40' 48.3" S Longitude 117° 08' 68.8" E Altitude

Reference Map

32° 40' 28.9"

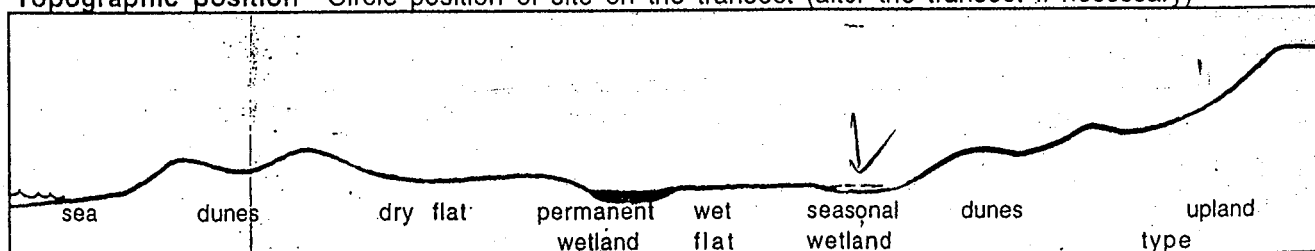
117° 08' 41.3"

Photograph

Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil Gravelly clay Colour Brown
 Exposed rock type sedimentary % surface 2

Sub-surface Soil BROWN CLAY Colour BROWN
 Rock — type — depth to rock

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

Litter Depth — 1 cm % cover 2 Bare Ground 2 % cover 10

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No POP 8
Date 21-9-96
13/11/96 2S →

Record on Sheet

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
				* Ara canyophyllae (no spec)	33	✓		<i>Betula corymbosa</i>	21	✓	✓
				* <i>Hordeum geniculatum</i>	32	✓	✓	* <i>Centaurium erythraea</i>	34	✓	✓
				* <i>Bromus rubens</i>	31	✓	✓	<i>Blennospora drummondii</i> 18b	35	✓	✓
				* <i>Lolium rigidum</i>	30	✓	✓	<i>Lomandra micrantha</i>	36	✓	✓
				<i>Avena</i> sp. wild oats (no spec)	28						
MALLEES				* <i>Parapholis incurva</i>	27	✓	✓				
				<i>Notodanthonia setacea</i>	26	✓	✓				
				GRASSES							
				Grass sp. (?=26)	12	?					
				* <i>Briza maxima</i>	10	✓	✓				
SHRUBS				<i>Notodanthonia</i> sp. Prob = 26	20	✓	✓	SEDGES			
<i>Hakea preissii</i>	1	✓		" ? <i>Lolium rigidum</i> = 30	22	✓	✓	<i>Chorizandra enodis</i>	3	✓	✓
<i>Comesperma polygaloides</i>	22			<i>Briza minor</i>	23	✓	✓	<i>Gahnia</i>	4		
<i>Comesperma polygaloides</i>	25	✓		<i>Hordeum glaucum</i> / <i>Hordeum</i> (see 32)	24	✓	✓	<i>Gahnia ancistrophylla</i> = 29	5	✓	✓
				(not ripe or by (Lod dist. or with)				<i>Gahnia ancistrophylla</i> = 5	29		
				HERBS				<i>Schoenus plumosus</i>	13+19	✓	✓
				* <i>Cotula bipinnata</i>	6	✓	✓				
				* <i>Romulea rosea</i>	7	✓	✓				
				<i>Chamaecrista corymbosa</i> var. <i>corymbosa</i>	8	✓	✓				
				* <i>Trifolium subterraneum</i>	9	✓	✓				
				* <i>Tritolium dubium</i>	10	✓	✓				
				* <i>Oxalis purpurea</i>	11	✓	✓				
				* <i>Aragallia laryensis</i>	12	✓	✓				
				* <i>Hypochaeris glabra</i>	14	✓	✓				
				* <i>Trifolium dubium</i>	10 = 15	✓	✓				
				<i>Hypoxis glabella</i>	16	✓	✓				
				<i>Blennospora drummondii</i>	17	✓	✓				
				<i>Anagallis arvensis</i> var. <i>caerulea</i>	18b	✓	✓				

Ad. plant with young & Wadood
curly bark to base of last branch.

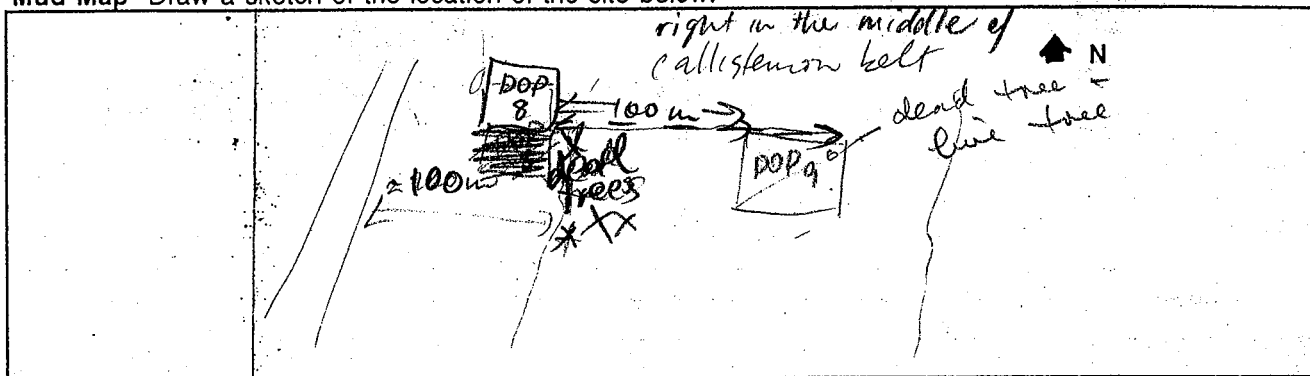
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lansall's farm Popanahinning SITE NUMBER POP 9
 DATE TRIP 21/9/96 RECORDERS M.P., R.A., J.M., N.C.
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST C.T.

1. LOCATION of the QUADRAT

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

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



Road Location

Geographic Location Latitude 32° 40' 48.7" S Longitude 117° 08' 43.7" E Altitude

Reference Map

32° 40' 29.2"

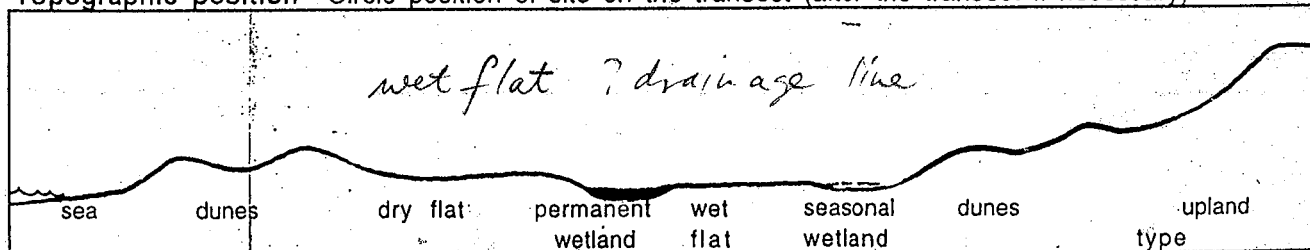
117° 08' 43.7"

Photograph

Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil brown clay Colour brown
 Exposed rock type _____ % surface _____

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

Drainage well mod' poor. depth water at soil surface cm (Wet) all year (winter/spring)

Litter 10-30 % cover _____ Bare Ground < 2 % cover
 Depth < 1 cm

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No Pop 9
 Date 21/09/96
B/11/96 .22 →

Record on Sheet

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
								<i>Arthropodium preissii</i> ✓	22	✓	✓
								<i>Phillydella pygmaea</i> ✓	28	✓	✓
				* <i>Buza minor</i> ✓	46	✓	✓	<i>Myriocephalus occidentalis</i> ✓	29	✓	✓
				<i>Vulpia?</i> (nospec - Polypogon)	45			<i>Stachys debilis</i> ✓	32	✓	✓
				* <i>Bromus rubens</i> ✓	41	✓	✓	<i>Siloxerus multiflorus</i> ✓	34	✓	✓
				* <i>Bromus hordeaceus</i> ✓	40	✓	✓	<i>Triglochin calyculatus</i> sp. inc. ✓	35	✓	✓
MALLEES				* <i>Ehrharta longi flora</i> ✓	39	✓	✓	<i>Galium red shales</i> - <i>Conosperma</i> ✓	36	✓	✓
				* <i>Parapholis incurva</i> ✓	38	✓	✓	* <i>Saxifraga oleracea</i> (nospec) ✓	37	✓	✓
				GRASSES				* <i>Galium murale</i> ✓	42	✓	✓
				* <i>Buza maxima</i> ✓	14	?	?	<i>Gnortarpus nodulosus</i> ✓	43	✓	✓
				<i>Amphipogon</i> - <i>Hordeum</i> sp. ✓	16			<i>Carex alfordii</i> ✓	44	✓	✓
SHRUBS				Grass - <i>Notodanthona</i> sp. = 31 ✓	19			<i>Dianella brevicaulis</i> (nospec) ✓	47	✓	✓
<i>Callistemon phoeniceus</i> ✓	1	✓	✓	<i>Austrotypha elegantissima</i> ✓	21	✓	✓	<i>Phyllanthium paradoxum</i> ✓	48	✓	✓
<i>Acacia Soddleyi</i>				<i>Aristida arenacea</i> ✓	23	✓	✓	SEDGES			
				* <i>Hordeum semiculatum</i> ✓	24	✓	✓	<i>Chorizandra cneidis</i> ✓	3	✓	✓
				* <i>Polypogon (monspeliensis)</i> ✓	25	✓	✓	<i>Boerhaavia</i> ? ✓	10	✓	✓
				* <i>Lolium rigidum</i> ✓	30	✓	✓	<i>Timothy sedge</i> (dominant) ✓	20	✓	✓
				<i>Notodanthonia setacea</i> ✓	31	✓	✓	<i>Scleria setiformis</i> ✓	26	✓	✓
				HERBS				* <i>Cyperus tenellus</i> ✓	27	✓	✓
				<i>Tribonanthes longipetala</i> ✓	2	✓	✓	<i>Schoenus plumosus</i> ✓	33	✓	✓
				* <i>Conoclinium rosea</i> ✓	4	✓	✓	<i>Aphelia cyperoides</i> ✓	49	✓	✓
				<i>Thelymetra antennifera</i> ✓	5	✓	✓	<i>Aphelia brizula</i> ✓	50	✓	✓
				<i>Triglochin calyculatus</i> sp. inc. ✓	25	✓	✓				
				<i>Arthropodium capillipes</i> = 15A ✓	7	✓	✓				
				<i>Hypoxis glabella</i> ✓	8	✓	✓				
				<i>Drosera rotundifolia</i> ✓	9	✓	✓				
				<i>Triglochin lineare</i> ✓	11	✓	✓				
				<i>Cotula coronopifolia</i> ✓	12	✓	✓				
				* <i>Thysochloa glabra</i> ✓	13	✓	✓				
				* <i>Andropogon amabilis</i> var. <i>caeruleus</i> ✓	15	✓	✓				
				<i>Conosperma polygaloides</i> ? ✓	17	✓	✓				
				* <i>Cotula purpurea</i> ✓	18	✓	✓				

(*Arthropodium capillipes* = 7 ✓ 15A ✓)
 * *Cotula bipinnata* ✓ 12a ✓ ✓

Adg
Polypogon tenellus ✓ ✓

Pl. 11

non identifiable

Pl. 20

Aphelia

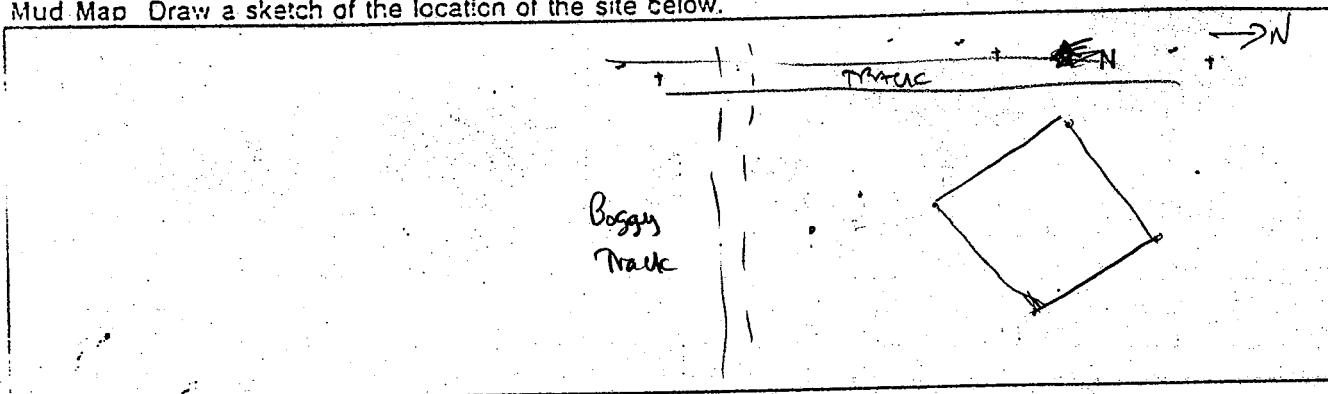
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA LANDSELL SITE NUMBER Pop 10
 DATE TRIP 2/9/96 RECORDERS Gary + Mary
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



Road Location

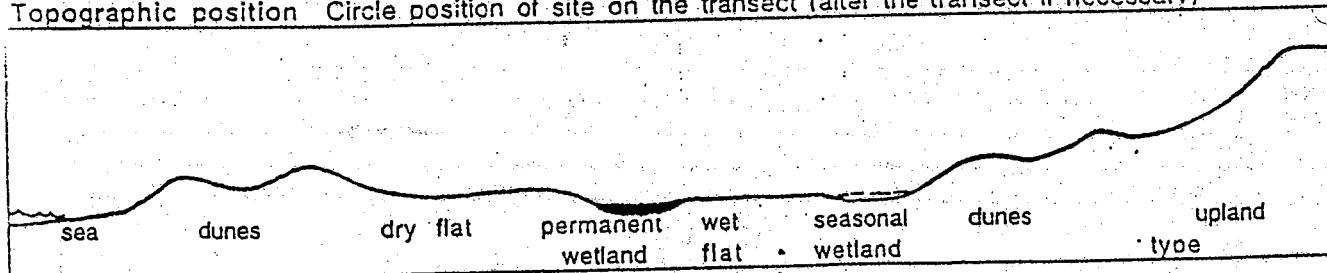
Geographic Location Latitude 32 40' 6.05S Longitude 117 08' 73.9E Altitude

Reference Map 32° 40' 36.3" 314M ASL ± 43 117° 08' 44"

Photograph Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil CLAY Colour LIGHT BROWN
 Exposed rock type _____ % surface

Sub-surface Soil CLAY Colour LIGHT BROWN
 Rock type _____ depth to rock

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

Litter less than 2 % cover almost nil Bare Ground 2-10 % cover
 Depth less than 2 cm

2 generations / in ~~max 10 min~~ / Cotula coronopifolia

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

Start from 26

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
				* Lolium rigidum	NS		✓	AD S			
				* Hordeum corymbosum	26	✓	✓	Aster peissii	17		✓
				Agrostis avenacea	27	✓	✓	* Oxalis purpurea	19		✓
								Euc. Astringens	20		✓
								Euc. Wandoo	21		✓
								Hypoxis glabella	22	✓	✓
MALLEES								* Homeria miniata	23	✓	✓
								Dichopogon capillipes	24		✓
				GRASSES							
				Couch like (dominant species)	1		?				
				Dry Flax-like (stipa elegantiss)	2		✓				
SHRUBS				Taller couch like grass (Borena sp.)	3		-				
				= prob Lolium rigidum							
				= Hordeum sp. (discarded) = 26							
								SEDGES			
								Isolepis setiformis	8		✓
								Schoenus sculptus	10	✓	✓
								Gnaphalium obtusifolius	16	✓	✓
								(18 no spec)			
				HERBS				Juncus bufonius	NS		-
Centropogon polygyna			✓	* Romulea rosea	4		✓				
Triglochin calcaratum = 12			✓	* Cotula coronopifolia	5		✓				
* Monopsis debilis (sp.)			✓	* Cotula bispinnata	6	✓	✓				
Plantago aff. debilis	28		✓	Drosera rotundifolia	7		✓				
Goodenia micrantha	NS		✓	? Cotula coronopifolia	5 = 9		✓				
				Caesia affinis	11	✓	✓				
				Triglochin calcaratum ssp. incurvum	12		✓				
				* Crassula natans var. minus.	25	13	✓				
				Non-identifiable material.	14		?				
				Tribonanthes longipetala	15	✓	✓				
				Crassula natans var. minus	25	13	-				

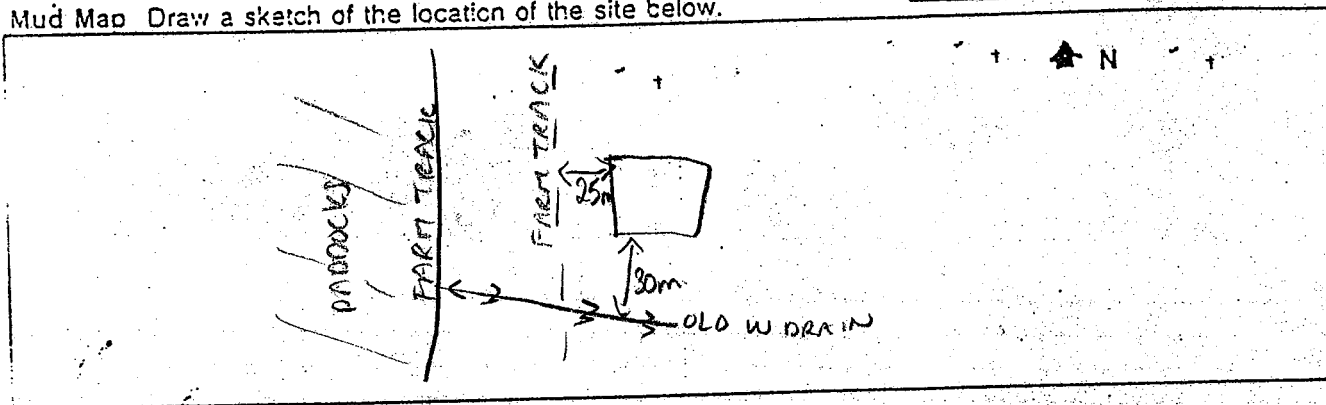
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA LANSDALE'S POPONNINING SITE NUMBER POPO 11
 DATE TRIP 21-9-96 RECORDERS ELIZA DOWLING ET AL (AS 4+6)
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 32 40 6.6 S Longitude 117 08 707 E Altitude 292 ± 49

Reference Map

32° 40' 36.4"

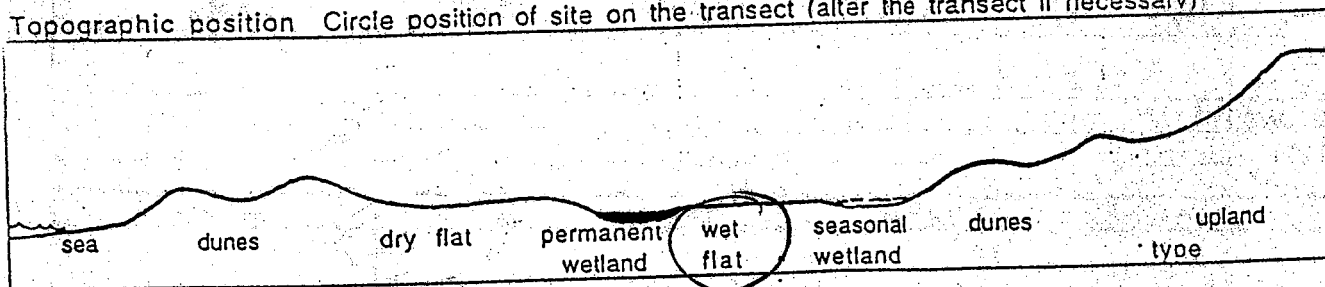
117° 08' 42.4"

Photograph

Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil CLAY Colour DARK 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 < 2 % cover _____ Bare Ground < 2 % cover _____
 Depth cm

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No POPO 11
 Date 21-9-96
 13/11/1996

Record on Sheet

Start 0
17

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
				Not <i>Danthonia setacea</i>	17	✓	✓	* <i>Lythrum hyssopifolia</i>	20	✓	✓
				* <i>Bromus hordeaceus</i>	18	✓	✓	<i>Lomandra micrantha</i>	21	✓	✓
				<i>Stipa elegantissima</i>	NS		✓	* <i>Homeria flaccida</i>	NS		✓
				* <i>Polypogon monspeliensis</i>	19	✓	✓	<i>Centrolepis polygyna</i>	11		✓
				* <i>Hordeum maximum</i>	NS		✓	<i>Plantago sp. aff. debilis (as 10)</i>	11		✓
				* <i>Briza maxima</i>	NS		✓	* <i>Cyperus tenuis</i>	11		✓
MALLEES				* <i>Paraphlois incurva</i>	NS		✓	<i>(Cuscuta scutellaria)</i>			
								<i>Arthropodium preissii</i>	22	✓	✓
				GRASSES							
				Thin grass sp.	6						
				<i>Wimmeria Rye Grass</i>	10	✓	✓				
SHRUBS				* <i>(Lolium rigidum)</i>			✓				
<i>Hakea preissii</i>	1		✓								
								SEDGES			
								<i>Charizandra enodis</i>	5	✓	✓
								<i>Juncus bufonius</i>	NS		
								<i>Isolepis setiformis</i>	15	✓	✓
				HERBS				<i>(Small edge, black fls)</i>			
				* <i>Guilford Grass - Romulea rosea</i>	12	✓	✓	<i>Isolepis setiformis</i>	6	✓	✓
				* <i>Colula bipinnata</i>	3	✓	✓				
				<i>Drosera pinnatifida</i>	4	✓	✓				
				* <i>Claver</i>	11	✓	✓				
				* <i>Lythrum hyssopifolia</i>	8	✓	✓	Adjacent to Plot (1N)			
				* <i>Crassula natans</i> var. <i>minus</i>	9	✓	✓	One leaf cape tulip	14	✓	✓
				* <i>Trifolium subterraneum</i>	11	✓	✓				
				* <i>Milk Thistle (Bonchisoleraceum)</i>	12	✓	✓				
				<i>Triglochin calcaratum</i> ssp. <i>incurvum</i>	13	✓	✓				
				* <i>Anagallis arvensis</i> var. <i>caerulea</i>	14	✓	✓				
				<i>Chamaecrista corymbosa</i> var. <i>corymbosa</i>	16	✓	✓				

(dominant)

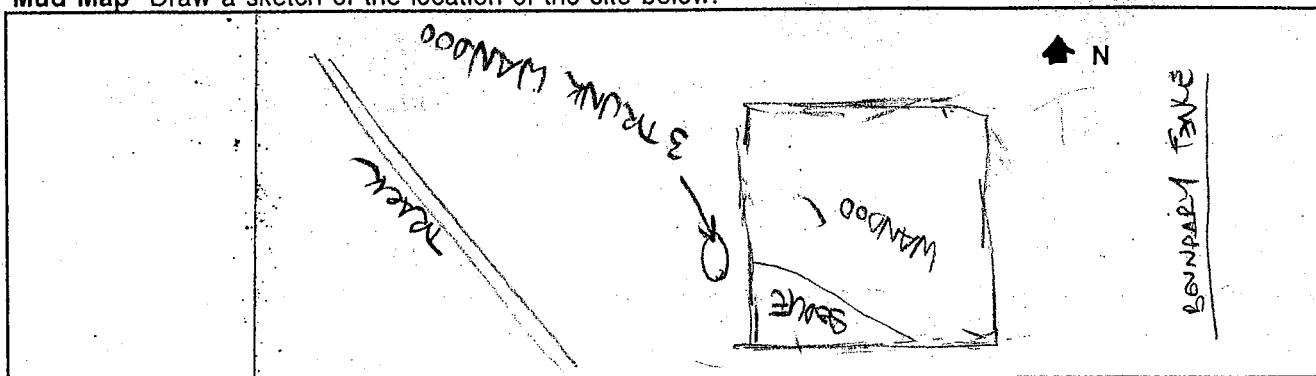
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA POPANYINNING SITE NUMBER POP12
 DATE TRIP 21-9-96 RECORDERS ALICE, ANNE, JENNIFER
 DATE TRIP _____ RECORDERS LOIAN.
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

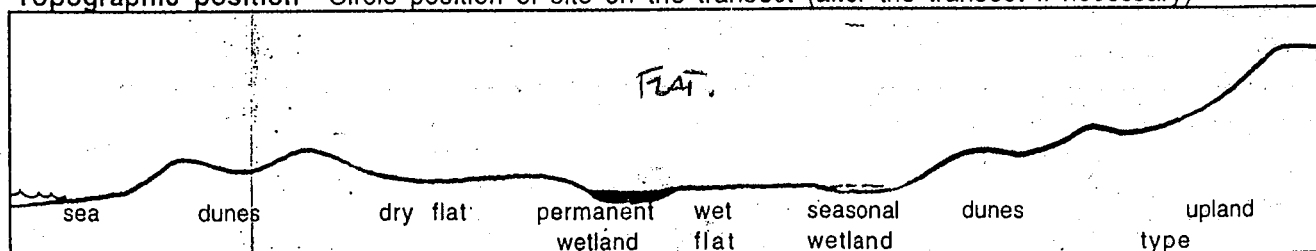
1. LOCATION of the QUADRAT

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



Road Location _____
 Geographic Location Latitude 32° 40' 36.5" S Longitude 117° 08' 49.6" E Altitude _____
 Reference Map _____
 Photograph _____ Photographer's Name _____ Photo No _____

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



2. SITE DATA Circle the correct response.

Slope flat gentle steep Aspect N NE E SE S SW W NW
 Surface Soil CLAY with thick layer of leaf litter Colour GREEN
 Exposed rock type _____ % surface _____
 Sub-surface Soil CLAY Colour GREEN
 Rock type _____ depth to rock _____
 Drainage well mod poor depth water _____ cm Wet all year winter/spring
 Litter OVER 70 % cover Bare Ground 0 %cover
 Depth 3-5 cm

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No Popal 2
 Date 21-9-96
13.11.96 287

Record on Sheet

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
1. Eucalyptus wandoo ✓	1		✓					? Lobelia sp- ✓	20		
								*Hypochaeris sp. glabra ✓	21		✓
								Drosera ramellosa ✓	24	✓	✓
								? Velleia trinervis ? ✓	26		✓
								Leschenaultia linearis ✓	27		
								= Bromocoma polystachya (?) ✓			
MALLEES				*Bromus hordeaceus ✓	36	✓		Arthropodium preissii ✓	28	✓	✓
				GRASSES				Tricoryne elatior ✓	29		✓
				*Stipa sp. ✓ Pab=31	5			Philotus manlesii (no spec) ✓	46		
				Neurachne allopecuroidea ✓	8			*Trifolium sp. compactum ✓	34	✓	✓
SHRUBS				*Briza maxima ✓	22	✓		(Caesia alfordii = 7 ✓	37	✓	✓
2. Hakea preissii ✓	2		✓	*Briza minor ✓	23	✓		Eryngium pinnatifidum subsp. ✓	38	✓	✓
				Grass ? Neurachne ✓	25			*Trifolium subterraneum (no spec) ✓	39	✓	✓
				*Stipa elegantissima (no spec) ✓	31			SEDGES			
				*Lolium rigidum ✓	32	✓		Isoplepis setiformis ✓	9		✓
				Notodanthonia setacea ✓	33	✓		Scheuchzeria plumosus ✓	18		
				*Bromus rubens ✓	35	✓		Chorizanthe enodis ✓	19		✓
				HERBS							
ADJACENT (3)				Caladenia longiflora. No spec ✓	3						
Triglochin calitrapum ssp incurvum ✓			✓	Chamaecilla corymbosa var. corymbosa ✓	4						
*Isoplepis sp. ? ✓			✓	*Romulea rosea ✓	6			HERBS (cont)			
*Pterostylis sp. (infertile) ✓			✓	Caesia alfordii = 37 ✓	7			Trichocline spatulata ✓	30		✓
				(Caesia)				Planella revoluta (no spec) ✓	41		✓
				*Anagallis arvensis ✓ (no spec)	10						
				Drosera sp. ✓	11						
				*Sonchus sp. oleraceus ✓ (no spec)	12						
				*Trifolium dubium ✓	13						
				Cotula sp. ? bipinnata ✓	14						
				Lagenifera huegelii (2 spec) ✓	15						
				Hypoxis glabella ✓	16	✓					
				*Trifolium subterraneum ✓	17	✓					

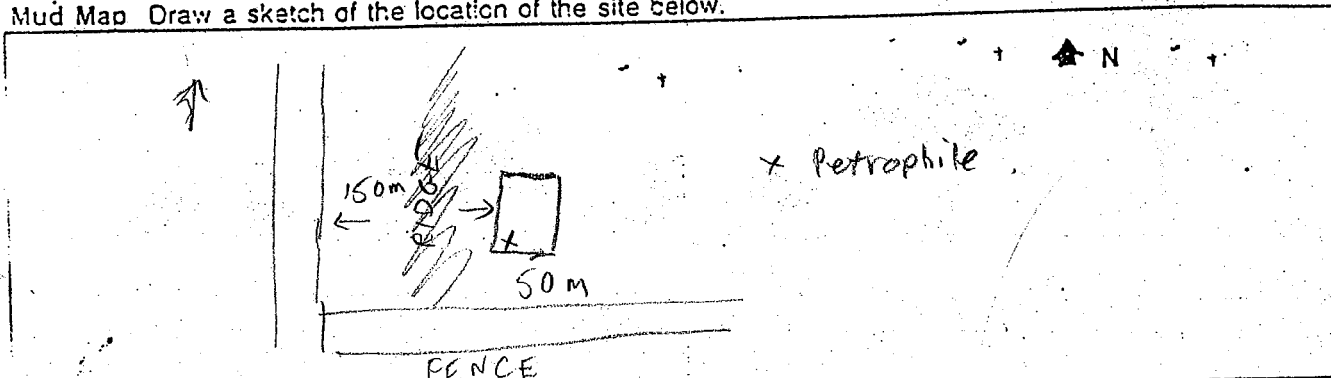
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA LANDELLS FARM POAANYINMWA SITE NUMBER POP 13
 DATE TRIP 21-9-96 RECORDERS MP, KA, NE, JM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST CT

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

1. LOCATION of the QUADRAT

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



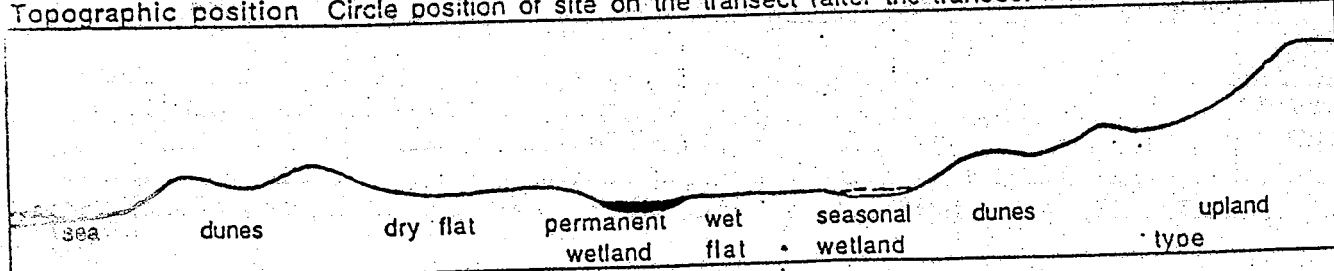
Road Location ON FARM

Geographic Location Latitude 32°40' 10" S Longitude 117°08' 57.5" E Altitude

Reference Map 32°40' 54.6" 117°08' 34.5"

Photograph _____ Photographer's Name _____ Photo No _____

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



2. SITE DATA Circle the correct response.

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

Surface Soil YELLOW SAND Colour YELLOW
 Exposed rock type _____ % surface _____

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

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

Litter Depth 90 % cover _____ Bare Ground 10 %cover _____
 Depth 102 cm

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No POP 13
Date 21.9.96
13.11.96 44 →

Record on Sheet

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Banksia prionotes</i>	1		✓					<i>Rhodanthe citrina</i>	36	✓	✓
<i>Allocasuarina ? hugeliana</i>	12		✓					<i>Lacmannia squarrosa</i>	37	✓	✓
								<i>Podatheca angustifolia</i>	38	✓	✓
				<i>Neurachne abpecuroides</i> n.s.p.	50	✓	✓	<i>Corynoloma micrantha</i> var. <i>clayata</i>	40	✓	✓
				<i>Amphipogon turbinatus</i>	50	✓	✓	<i>Drosera pycnoblaster</i> (pink fls)	51	✓	✓
				<i>Notodanthonia setacea</i>	48	✓	✓	<i>Helichrysum leucopsidium</i>	53	✓	✓
				<i>Austrostipa semi-barbata</i>	46	✓	✓	<i>Levenhookia stipitata</i>	54	✓	✓
MALLEES				GRASSES				<i>Lomandra collina</i>	47		
				<i>Neurachne abpecuroides</i>	2	✓	✓				
				Perennial - hairy base - prob = 23	13	✓	✓				
				<i>Neurachne abpecuroides</i>	20	✓	✓				
SHRUBS				<i>Moelleri grass</i> - <i>Notodanthonia</i>	21	✓	✓	SEDGES			
<i>Littoraleum unibacens</i>	4		✓	<i>Laurel grass</i> - native perennial	22	✓	✓	<i>Caustis dioica</i>	16	✓	✓
<i>Pectabula incilata</i> ssp. <i>entula</i>	5		✓	Perennial - hairy base - <i>Amphipogon turb.</i>	33	✓	✓	<i>Leptodermis sp. prob. periana</i>	18	✓	✓
<i>Calystrix acutifolia</i>	9		✓	<i>Austrostipa</i> = 46	27			<i>Cenchrus pilosa</i>	34	✓	✓
<i>Calystrix dichromyalla</i>	10		✓	<i>Austrostipa elegantissima</i>	31	✓	✓				
<i>Hippocrepia ? paniculata</i>	11		✓	* <i>Mira arbutane</i> (canoph)	43	✓	✓				
<i>Monotaxis raddalliana</i>	14		✓	HERBS	43	✓	✓				
<i>Acacia</i> sp. <i>stenopeta</i>	19	✓	✓	<i>Conostylis setigera</i> ssp. <i>setigera</i>	3	✓	✓				
<i>Comespermum scoparium</i>	26		✓	<i>Stylidium repens</i>	7	Nov.	✓				
<i>Verbena stipitata</i> (no) 11 = 38	38		✓	* <i>Viscaria anthemoides</i>	8	✓	✓				
<i>Astragalus ? compactus</i>	32		✓	<i>Stylidium piliferum</i>	15	Nov.	✓	<i>Millotia tenuifolia</i>	35	✓	✓
<i>Melaleuca</i> - <i>Scabra</i>	44	✓	✓	<i>Brachycome pilosa</i>	16	✓	✓	ADJ			
<i>Calystrix (acutifolia) = 9</i>	45	✓	✓	<i>Helichrysum leucopsidium</i>	17	✓	✓	<i>Calystrix depressa</i>		✓	✓
<i>Monotaxis grandiflora</i> = 14	52	✓	✓	<i>Caladenia flava</i> subsp. <i>flava</i>	24	✓	✓	<i>Ipomoea brumonis</i>		✓	✓
				<i>Caladenia discoides</i> ssp.	25	✓	✓	<i>Arizocarpus humilis</i>		✓	✓
				<i>Chaenactis conchocarpa</i> (no) 10 = 29	29	✓	✓	<i>Ara carophylla</i>		✓	✓
				* <i>Hypochaeris glabra</i> (no spec)	30	✓	✓	<i>Drosera leucoblaster</i>		✓	✓
				<i>Caladenia falcata</i> (no spec)	33	✓	✓				
				<i>Rhodanthe laevis</i>	33	✓	✓				
					33	✓	✓				

ADJACENT

Helichrysum leucopsidium 39 ✓
✓ *Caladenia polychroma* (adjacent)

Schoenus subplanus variant 40

Rhodanthe citrina 41 ✓ ✓
Perostylis recurva 42 ✓ ✓
Drosera pycnoblaster

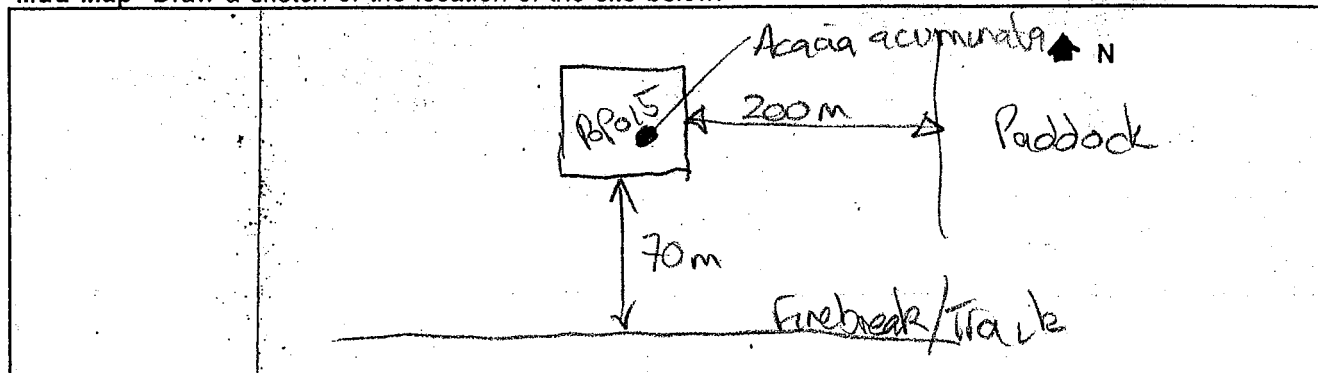
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lansdelli Farm, Bopanginning SITE NUMBER POPO 14
 DATE TRIP 22.9.96 RECORDERS NICKY LOGAN ALICE JENNIFER
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

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

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



Road Location

Geographic Location Latitude 32° 40' 53.5" S Longitude 117° 08' 46.9" E Altitude

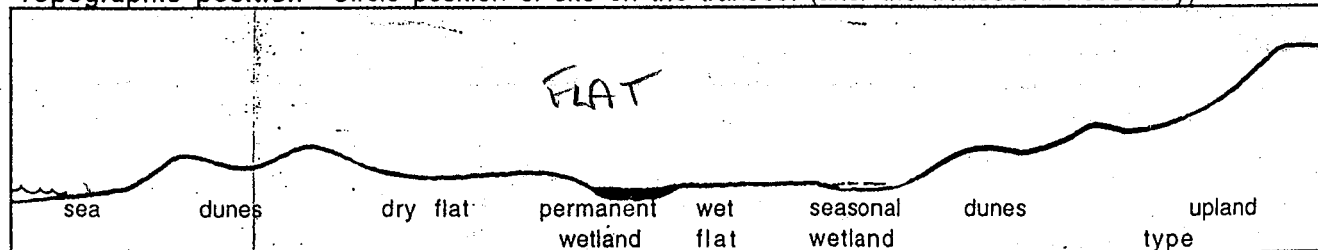
Reference Map

Photograph

Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil SANDY LOAM Colour BROWN
 Exposed rock type % surface

Sub-surface Soil Sandy loam Colour brown
 Rock <2% type sandstone / ironstone depth to rock

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

Litter > 70% % cover Bare Ground % cover
 Depth 1 cm

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESENCE

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

SITE No **POPO 1514**
 Date **22-9-96**
13-11-96 467

Record on Sheet

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Euc. salmonophloea</i>	1							<i>Trachymene sp. (palea)</i>	23		
<i>Euc. wandoo</i>	2			<i>Lolium rigidum</i>	63			<i>Pterostylis sp. (rufa group)</i>	25		
<i>Acacia acuminata</i>	3			<i>Bromus rubens</i>	62	✓	✓	<i>Dioscorea sp. (? maculata / subsp. rufa)</i>	26	✓	✓
				<i>Vulpia myuros</i>	59	✓	✓	Purple under leaf - <i>Sorghum?</i>	27		
				<i>Notodanthonia setacea</i>	66 = 58			<i>Vellera trarivis</i>	28		
				<i>Austrostipa semibarbata</i>	57	✓	✓	<i>Caladenia doughtiae</i>	30	✓	✓
MALLEES				<i>Austrostipa trichophylla</i>	64 = 56	✓	✓	<i>Dioscorea sp. - pob. subsp. rufa</i>	31	✓	✓
				<i>Sipa elegantissima</i> (n. spec)	55			* Flat wood - <i>Hydrocotyle</i>	32	✓	✓
				GRASSES				<i>Caladenia flava</i> subsp. <i>flava</i>	35	✓	✓
				<i>Neurachne abopeturoidea</i>	74 = 7	✓	✓	Mushroom LIVERWORT	36		
				Same as 14 and 13 ? - <i>Leptochloa</i>	10			<i>Hydrocotyle diantha</i>	37	✓	✓
SHRUBS				Same as 14 and 10 ? - <i>Leptochloa</i>	13			<i>Thelymitra sp.</i>	38		
<i>Hibbertia ruficarpa</i>	29	✓	✓	<i>Notodanthonia setacea</i>	66 = 58	✓	✓	* <i>Anagallis Arvensis</i> var. <i>coerulea</i>	46	✓	✓
<i>Hibbertia ruficarpa</i>	46	✓	✓	<i>Poaceae sp. - p. 116 Briza maxima</i>	20			SEDGES			
				* <i>Ara canyophylla</i> (n. spec)	22			<i>Lamandra effusa</i>	9		
				<i>Ara sp.</i>	33			<i>Desmodium flexuosum</i>	24	✓	✓
Herbs								<i>Desmodium</i> Sedge	39		
<i>Trachymene pilosa</i>	23	✓	✓	HERBS				<i>Lepidosperma sp.</i>			
<i>Helichrysum leucopsideum</i>	47	✓	✓	<i>Pterostylis recurva</i>	4	✓	✓	<i>Gahnia angustophylla</i> (prob)	no no.		✓
<i>Lobelia rhombifolia</i>	49	✓	✓	<i>Dioscorea maculata</i> subsp. <i>maculata</i>	5	✓	✓	HERBS			
<i>Lobelia gibbosa</i>	50	✓	✓	<i>Helichrysum leucopsideum</i>	6	✓	✓	<i>Mitella tenuifolia</i>	40	✓	✓
<i>Pink Stylidium calcaratum</i>	51	✓	✓	<i>Ragwortia hugellii</i> (2 spec)	8	✓	✓	<i>Rhodanthe citrina</i>	52	✓	✓
<i>Rhodanthe citrina</i>	41 = 52	✓	✓	<i>Chaenactis corymbosa</i>	11	✓	✓	<i>Blennospora drummondii</i>	42	✓	✓
<i>Podolepis gracilis</i>	63	✓	✓	<i>Gilbertia</i>	12	no spec		Flat <i>Dioscorea</i>	43		
<i>Wahlenbergia preissii</i>	54	✓	✓	<i>Borua launata</i>	15	✓	✓	Small rosette (pink fl.)	44		
<i>Nature Gerbera - Trichosperma</i>	60	✓	✓	<i>Raxmannia squarrosa</i>	16	✓	✓	* <i>Trifolium subterraneum</i>	45	✓	✓
<i>Pterostylis sp. rufa complex</i>	25 = 61	✓	✓	<i>Helichrysum leucopsideum</i>	6 = 17	✓	✓	<i>Vellera</i> ? (= ? 28) under leaf	72		?
<i>Isonotis hippocrateiformis</i>	65	✓	✓	<i>Rhodanthe laevis</i>	18	✓	✓				
<i>Homalotriadium homalocarum</i>	67	✓	✓	<i>Thysanotus patersonii</i>	19	✓	✓	ATN			
<i>Eriochloa paniculata</i> (n. spec)	68	✓	✓	<i>Pterostylis sanguinea</i>	21	✓	✓	<i>Corynthea micrantha</i> var. <i>elongata</i>		✓	✓
<i>Polyanthes microphylla</i>	69	✓	✓	<i>Conocarpus nodulosus</i>	22						

*Blennospora drummondii**Phyllangium sulcatum*

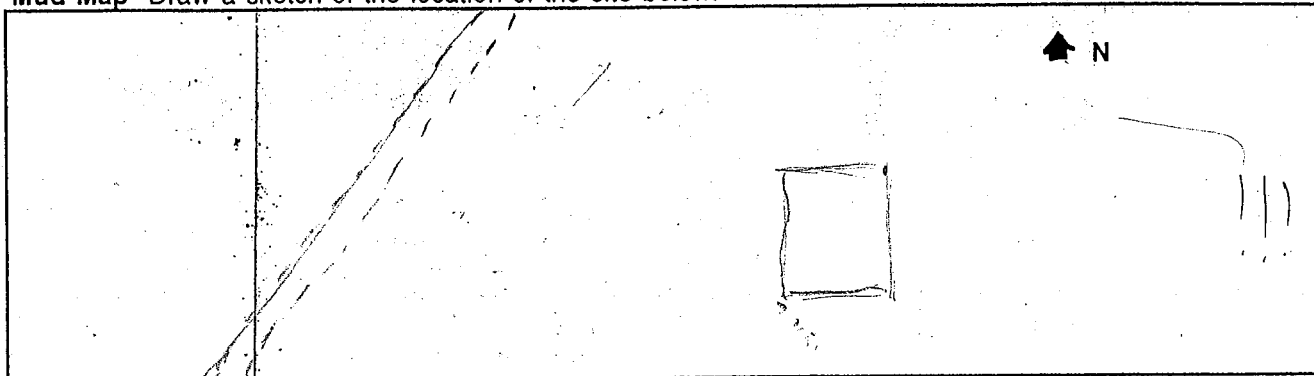
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Landseil Farm. SITE NUMBER BPO15
 DATE TRIP 21/9/96 RECORDERS Annemieke Homes
 DATE TRIP 13/11/96 RECORDERS Gary + Dianne Matthews
 DATE TRIP _____ RECORDERS Jeff Mary Robin
 BOTANIST None

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 Fence Track

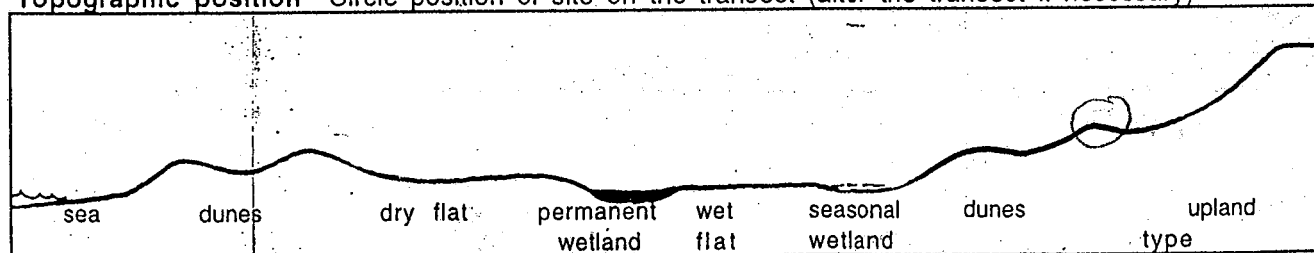
Geographic Location Latitude 32 40.933 S Longitude 117 08.675 E Altitude

Reference Map 32°40'55.9" 253 ± 52 117°08'40.5"

Photograph Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil Sand Colour Yellow
 Exposed rock type None % surface

Sub-surface Soil Sand Loamy Colour Yellow
 Rock type / depth to rock /

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

Litter 70 % cover
 Depth 1-5 cm Bare Ground 2 % cover

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No 15
Date 21/9/96
13/11/1996

Record on Sheet

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Banksia attenuata</i> 22	1		✓	<i>Notanthonia setacea</i>	54		✓	<i>Trachymene</i>	33		✓
<i>Banksia prionotes</i> 2	2		✓	<i>Austrostipa trichophylla</i>	55		✓	<i>Trifolium dubium</i>	34		✓
<i>Acacia mangium</i>	30	✓	✓	<i>Stylidium repens</i>	56		✓	Purple backed leaf - mid det	35		?
				<i>Levenhookia stipitata</i>	57		✓	<i>Calytrix</i>	36		✓
				<i>Trachymene pilosa</i>	58		✓	<i>Briza minor</i>	37		✓
				<i>Podotrochea angustifolia</i>	NS		✓	<i>Pterostylis hamiltonii</i>	50		✓
MALLEES				<i>Levenhookia pusilla</i>	NS		✓	white striped with orange			
				GRASSES <i>Brazoria</i>	NS		✓	to red tip, stem clasping			
				<i>Neurachne alopecuroides</i>	17		✓	deep central vein			
				Hairy grass - 55	18		✓	<i>Jun Pterost. recurva</i>			✓
SHRUBS				Feathery Hairy (pale) - <i>Stipa</i>	19		✓	<i>Laxmannia squarrosa</i>	53	✓	28
<i>Leptospermum erubescens</i>	3		✓	Glossy green - prob <i>holium nudum</i>	20		✓	<i>Corynotheca micrantha</i>	61	✓	✓
<i>Jacksonia furcellata</i>	4		✓	Rough	21		✓	var. <i>elongata</i>			
<i>Hibbertia ruficarpa</i>	5		✓	<i>Andropogon scoparius</i>	38		✓	SEDGES			
<i>Leptospermum</i> (C=3)	6		✓	<i>Vulpia myuros</i>	NS		✓	<i>C. (grass)</i>	22		✓
Unknown (<i>Eremac. pauciflora</i>)	7		✓	<i>Bromus madritense</i>	NS		✓	long leaf (grass)	23		✓
<i>Conosperma scoparia</i>	8	16	✓	<i>Stipa elegantissima</i>	NS		✓	Ribbed Sedge - <i>leptobolus</i>	24		✓
<i>Verticordia densitaxa</i>	9		✓	HERBS				<i>leptobolus</i>	25		✓
Blue leaf - <i>Hibbertia ruficarpa</i>	10	5	✓	<i>Helichrysum leucopsidium</i>	15		✓	<i>Lepidobolus preissianus</i>	NS	24	✓
<i>Calytrix leschenaultia</i>	36		✓	<i>Stylidium piliferum</i>	12		✓	<i>Lepidosperma angustifolium</i>			no spec
<i>Urtica dioica</i>	34		✓	<i>Orasera macrantha</i>	13		✓				
				<i>Conostylis setigera</i>	14		✓	<i>Lobelia gibbosa</i>	59		✓
				Flat weed - <i>Hydrocotyle glabra</i>	15		✓	<i>Helichrysum leucopsidium</i>	60	✓	✓
								<i>Thysanotus patersonii</i>	32		✓
				<i>Lomandra suaveolens</i>	25		✓				
				<i>Thysanotus patersonii</i>	26		✓				
				hairy herb - <i>Moss + midet</i>	27		✓				
				<i>Laxmannia squarrosa</i>	28		✓				
				<i>Blennospora drummondii</i>	29		✓				
				<i>Caladenia discoidea</i>	31		✓				
				Weed <i>Visinia anthemoides</i>	32		✓				

(25 actually a grass)
from spec. must be in mist according to spec.

PTO for ADJ.

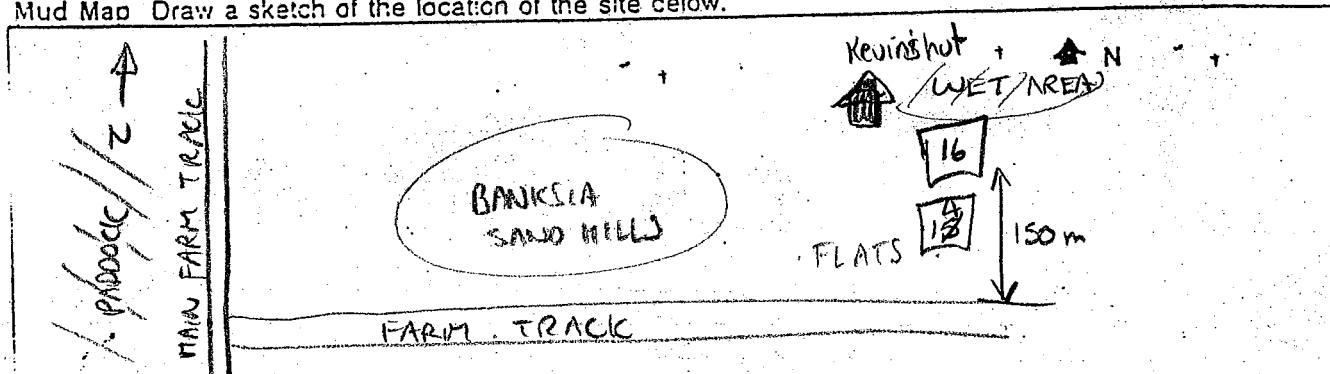
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA LANSDALE'S POPONANTING SITE NUMBER POPO 16
 DATE TRIP 21-9-96 RECORDERS ELIZA OWLING ET AL
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

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

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



Road Location

Geographic Location Latitude 32° 40' 872 S Longitude 117 08' 758 E Altitude

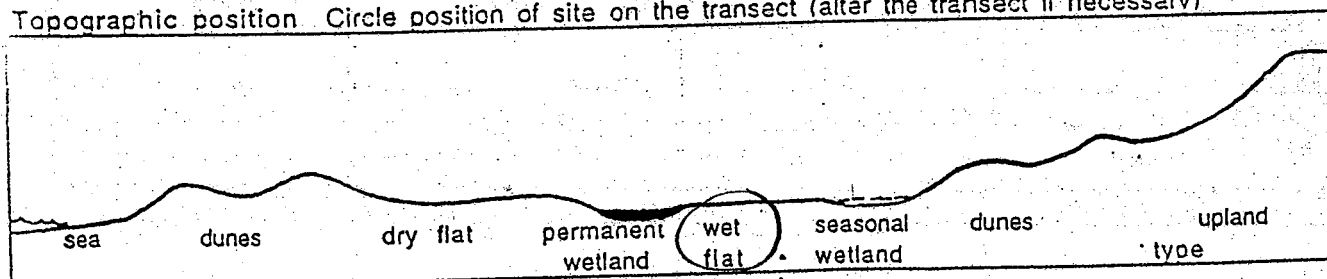
Reference Map 32° 40' 52.3" 291 m ASL ± 66 117° 08' 45.5"

Photograph

Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil SANDY LOAM Colour LIGHT BROWN
 Exposed rock type NO % surface -

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

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

Litter 30% % cover 50% % cover
 Depth 1cm-100cm Bare Ground

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No POPO 16

Date 21-9-96

13/11/1996

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

Record on Sheet

Start 2 41

24/10/96

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

From 'Bushland Plant Survey' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6108.

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Allocasuarina (huegeliana)</i>	1		✓	<i>Stipa elegantissima</i>	NS			<i>Tr. Lagomys huegelii</i>	NS		
<i>Eucalyptus wandoo</i>	2		✓	<i>Haemodorum simplex</i>	45	✓	✓	<i>Tr. folium subterreneum</i>	27		✓
				<i>Cyperus tenuis</i>	37	NS	✓	<i>Dianella brevicaulis</i>	28	not	✓
				<i>Aphelia cyperoides</i>	NS		✓	<i>Pattersonia occidentalis</i>	29		✓
				<i>Juncus capitatus</i>			✓	<i>Hemerocallis glabra</i>	30		✓
MALLEES				<i>Centrolepis aristata</i>			✓	<i>Stadonia uliginosa ssp. candidans</i>	32	✓	✓
				<i>polygyna</i>	48		✓	<i>Borua scitpoides</i>	33	✓	✓
				GRASSES				<i>Triglochin centrocarpum</i>	34	✓	✓
				<i>Briza maxima</i>	6	✓	✓	<i>Romulea rosea</i>	35	✓	✓
				<i>Neurachne alopecuroides</i>	21		✓	<i>Triglochin lineare</i>	36	✓	✓
				<i>Hairy grass (Danthonia = 51)</i>	22		✓	<i>Thysanotus tenellus</i>	not	✓	✓
SHRUBS				<i>Briza minor</i>	31	✓	✓	<i>Centrolepis mutica</i>	50	✓	✓
<i>Asteria sp. papillate stems</i>	3		✓	<i>Aira caryophylla</i>	NS		✓	SEDGES			
<i>Verticordia densiflora</i>	4		✓	<i>Vulpia myuros</i>			✓	<i>Chapidosperma longitundinale</i>	5	✓	✓
<i>Ac. saligna</i>	5		✓	<i>Aphelia brizula</i>	17	NS	✓	<i>Cyperaceae Caninus dioica</i>	7		✓
<i>Hibbertia furcata</i>	19		✓	seedling NS				<i>Schoenus sculphus</i>	16		✓
<i>Gomphidobium tomentosum</i>				<i>Noranthonia setacea</i>	3		✓	<i>Aphelia brizula</i>	17	✓	✓
				HERBS				<i>Cyperus tenellus</i>	37	✓	✓
				<i>Thelymitra antennifera</i>	9	✓	✓	<i>Schoenus odontocarpus</i>	47	✓	✓
<i>Tricoryne elatior</i>	39=41	not	✓	<i>Conostylis setacea ssp. cephaea</i>	10	✓	✓	Adjacent plots			
<i>Stylidium ecome</i>	42	✓	✓	<i>Chamaecilla corymbosa</i>	11	✓	✓	<i>Calystix deschmetzii</i>		✓	✓
<i>Siloxenus humilis</i>	43	✓	✓	<i>Jug orchid Pterostylis lewinii</i>	12		✓	<i>Trichomanthes longifolia</i>		✓	✓
<i>Trachymene pilosa</i>	NS		✓	(no spec)				<i>Jacksonia fuscicollata</i>			✓
<i>Arthrolopidium preissii</i>	NS		✓	<i>Sowerbaea laxiflora</i>	13	✓	✓	<i>Loxocarya flexuosa</i>	NS		✓
<i>Schoenus sculphus</i>	44	✓	✓	<i>Leek orchid PRASOPHYLLUM ovale</i>	14	✓	✓				
<i>Stylidium roseo-alatum</i>	45	✓	✓	<i>Pink Drosera menziesii</i>	15	✓	✓				
<i>Hydrocotyle alata</i>	46	✓	✓	<i>Isotriaena conifera</i>	18	✓	✓				
				<i>Gonorrhopis nodulosus</i>	20		✓				
<i>Drosera ericksoniae</i>	49	✓	✓	<i>Caladenia falcata (no spec)</i>	23		✓				
				<i>Ursinia anthemoides</i>	24	✓	✓				
				<i>Caesia alfordii</i>	25	✓	✓				

Conostylis aculeata ssp. aculeata

26

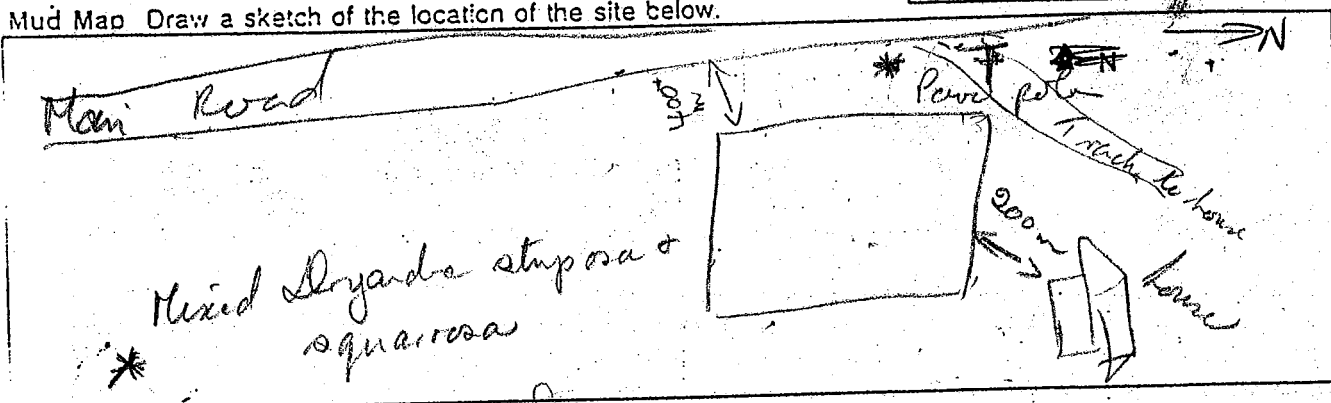
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lakeview ridge (open stone) SITE NUMBER POP 17
 DATE TRIP 22-9-96 RECORDERS Aliu Jennifer
 DATE TRIP _____ RECORDERS Margaret Whicky
 DATE TRIP _____ RECORDERS Ruth
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



Road Location

$32^{\circ}41'04.7''$

$117^{\circ}08'15.4''$

Geographic Location Latitude $32^{\circ}41'07.9''$ S Longitude $117^{\circ}08'25.6''$ E Altitude

Reference Map

$32.41.079$

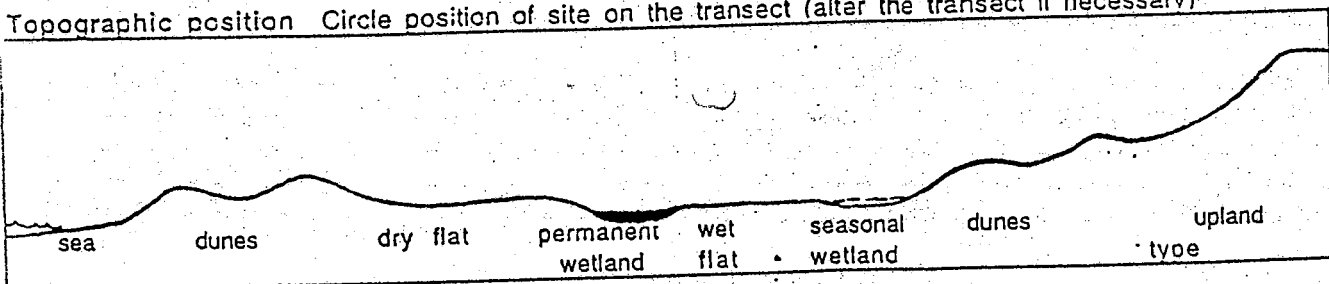
$117.08.256$

Photograph

Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil Sandy loam Colour D. brown
 Exposed rock ✓ type Ironstone / latent % surface 50%

Sub-surface Soil sandy loam / laterite Colour D. brown
 Rock laterite type ✓ depth to rock

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

Litter ✓ % cover 40% Bare Ground ✓ % cover 15%
 Depth cm 1 cm

von 550

35 (4 weeds)

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

Record on Sheet

from 29

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

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

5. Introduction

TREES	No.	F.I.	ID.	SHRUBS (cont.)	No.	F.I.	ID.	HERBS (cont.)	N.	F.I.	ID.
Eucalyptus wandoo (bud)	✓	1	✓	Dillwynia sp.A - S=	29	✓	✓	Grasses			
				Tricoryne humilis spec	31	✓	✓	Austrospiza canaliculata ✓	33	✓	✓
				Acacia browniana var. intermediaria A = 4.	32	X	✓	Note Danthonia setacea ✓	34	-	✓
MALLEES								Poanthura microphylla ✓	NS		L
								herp Danthonia caespitosa	35	✓	✓
				GRASSES				" "			
				Newmachne elopecuroides ✓	17	✓	✓	Millotia myosotisifolia NS	NS		✓
				Danthonia sp. (Notodanthonia) ✓	18	✓	✓	Velleia cynobotamica NS	NS		✓
SHRUBS				*Quercus camphyllae ✓	29	✓	✓	Stipa trichophylla ✓	38	✓	✓
Domadia samaroma ✓	2	✓	✓	Notodanthonia sp. (prob = 18)	30	✓	✓	Diosera leucoblatta ✓	IS = 39	✓	✓
Nabula stricta ✓	3	✓	✓	*				SEDGES			
Acacia browniana var. intermedia ✓	4	✓	✓	*Vulpia myurus ✓		✓	✓	Lepidosperma leptostachyum = 28	23	-	✓
Dillwynia sp.A. Underneath leaf well recognized ✓	5	✓	✓					Roxocarya striata ✓	25A	✓	✓
Crotalaria cyanoviridis ✓	6	✓	✓					(Leptostachyum # 23, 36, 37) ✓	28		J
Cryptandra pitensis ✓	7	✓	✓					Gahnia sp. ✓	22		
Hibbertia rufipila = ✓	8	✓	✓	HERBS							
Hakea trisperma ✓	9	✓	✓	Oenothera ciliatum ✓	12	✓	✓	ASTROLOMA COMPACTUM? ✓			✓
Ri Grevillea leptobotrya ✓	10	✓	✓	Dioscorea sp. leucoblatta ✓	15	✓	✓	ALLOCAURINA HUEYELIANA ✓			✓
				*Hesperis matronalis ✓	16	✓	✓	SAMPIERA LAVANDULACEA ✓			✓
Hibbertia enervia + 36 A ✓	13	✓	✓	Millotia myosotisfolia ✓	19	✓	✓	LEPIDOSPERMA RESINOSUM? (#) ✓			X
Hibbertia kuppicola ✓	8 = 14	✓	✓	Dioscorea uncinata ✓	20	✓	✓	Thomandra mucronata ✓			✓
Isoetes peruviana eximius ✓	26	✓	✓	Thysanotes patersonii ✓	21	✓	✓	CALOPTHAMNUS SANQUINEUS?			✓
Hakea gilbertii (Pro number)		✓	✓	? Dioscorea small white fruit ✓	31	✓	✓	LECTENAUTIA BILOGA ✓			✓
				" cup leaf small ✓	32	✓	✓	ACACIA STENOPTERA ✓			✓
				Tricoryne platyrrhina - also 31 ? ✓	25	✓	✓	Melaleuca aff scabra ✓			✓
				Stadleria monogyna ✓	11	✓	✓	Acacia acuminata ✓			✓
								Xanthonea preissi ✓			✓
								Veronica decaflora var caperea ✓			✓

to
check
Serrito
K. Wilson

Haemodorum sp.
Dianella sp.
~~*Dryas* sp.~~
Dryas sp.
Dryandra *stiposa*
Phytangium paradoxum

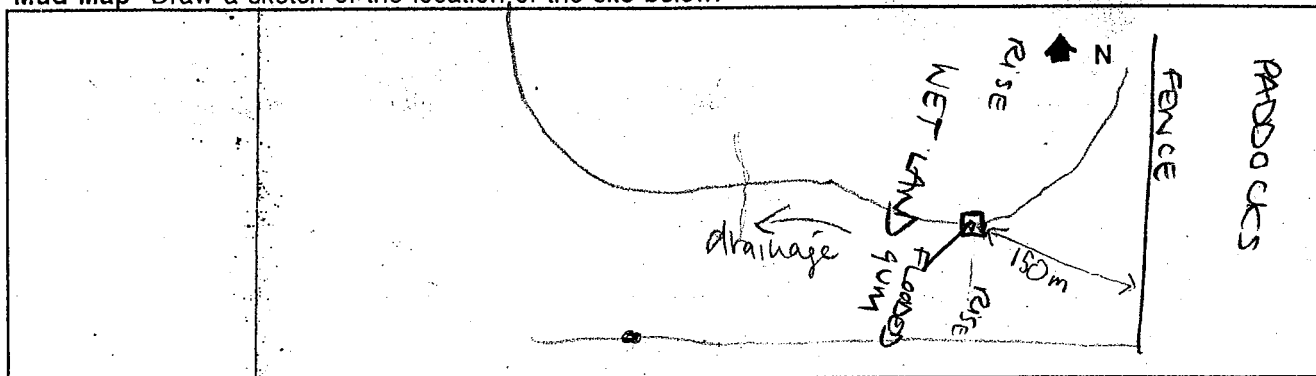
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA POPPANYINNING - LANSDALL'S SITE NUMBER 18
 DATE TRIP 22/9/96 RECORDERS CATE, ELIZA DOWLING, JACQUI
 DATE TRIP _____ RECORDERS MICHAEL, CHRIS, PIPPA, LUCY HIGGINS
 DATE TRIP _____ RECORDERS KEVIN LANSDALL
 BOTANIST CATE

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 GREAT SOUTHERN HIGHWAY

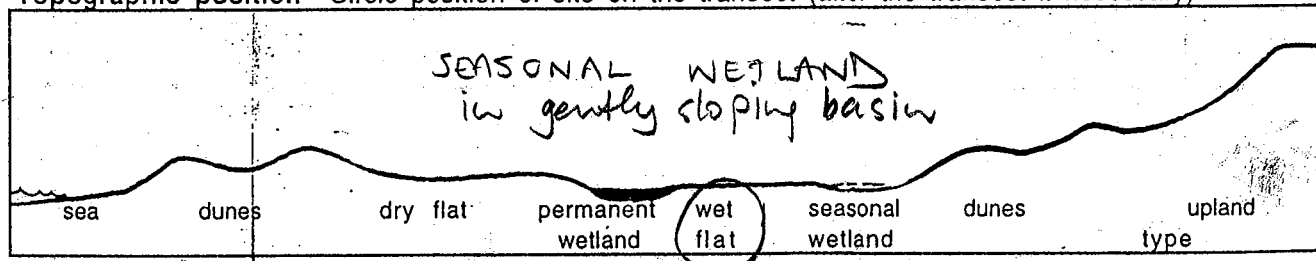
Geographic Location Latitude 32° 40' 48" S Longitude 117° 08' 37" E Altitude

Reference Map 32° 40' 52.9" 324 ± 61 m 117° 08' 50.2"

Photograph Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil loamy clay Colour dark brown
 Exposed rock type _____ % surface _____

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

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

Litter _____ % cover 30-70 Bare Ground 2-10 % cover
 Depth 1 cm

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No POPO 18
Date 22/9/96
13/11/1996

Record on Sheet

start 28

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Eucalyptus rudis				Anthotium junciforme	28			Tribonanthes longipetala (ADJ)	21		
				Schoenus tannius				PROSTRAEA FLAVA (ADJ)	22		
								*HOMERIA FLACIDA (ADJ)	No	SP	
								Velleia trinervis (ADJ)	24		
								Isotria medeolae	26		
				Goodenia micrantha	NS			13/11/1996			
MALLEES								Arthropodium preissii	NS		
Eucalyptus nodis	1							*Rondeletia rosea	NS		
				GRASSES				*Cyperus tenuifolius	NS		
				*Briza maxima	13			Siloxenus humilis	32		
				*Lolium sp? ? Lolium	14			Gnaphalium peruvianum	33		
				*Lolium rigidum ?=14	NS			Aphelia cyperoides	NS		
SHRUBS				Polypogon tenuifolius	34						
Hakea varia	2							SEDGES			
ASTARTEA SP. (papillatensis)	23							Lepidosperma longistylis	7		
ADJ) ACACIA SALICARIA	25							Meeboldia coarctata	3		
								Chorizandra elodis	6		
								Isotria medeolae	26+29		
				HERBS				Isotria medeolae	26		
				Dianella brevicaulis	4			Isotria medeolae	29		
				Triglochin lineare	5			Isotria medeolae	30		
				Prasophyllum ovale ADJ	8			Isotria medeolae	31		
				Pterostylis sp. aff. nana	9						
				Drosera menziesii	10						
				Drosera rotundifolia	11						
				Caesia alfordii	15						
				*Hypochaeris glabra	16						
				Catadendron uliginosa subsp.	17						
				Callistemon							
				*Trifolium dubium	18						
				Lagenifera huegelii	19						
				*Oxalis purpurea ADJ	20						

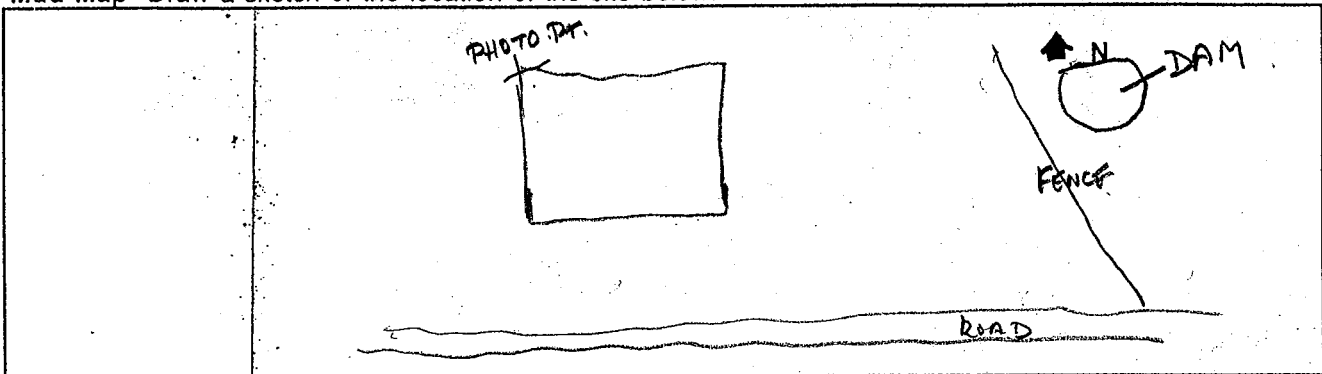
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA LANDSELL SITE NUMBER POP 19
 DATE TRIP 22/9/96 RECORDERS ROBIN GAY MARY ANNEMERE
 DATE TRIP _____ RECORDERS JEFF DIANE
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

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

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

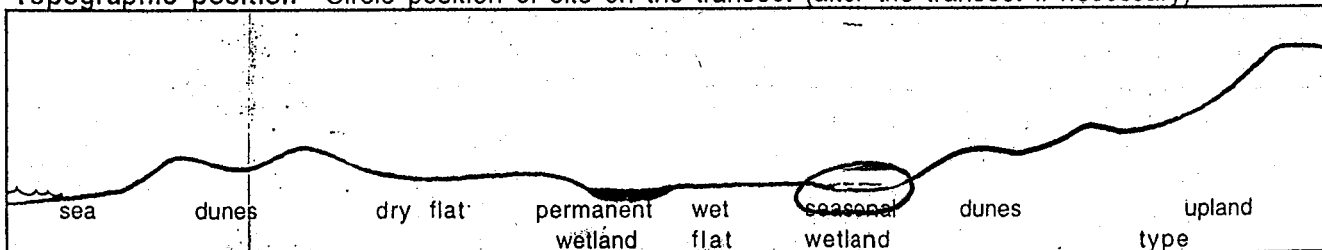


Road Location

Geographic Location Latitude 32° 40' 52.9" S Longitude 117° 08' 51.8" E Altitude
 Reference Map

Photograph Photographer's Name ANNE Photo No

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



2. SITE DATA Circle the correct response.

Slope flat gentle steep Aspect N NE E SE S SW W NW
 Surface Soil clay-loam Colour dark brown to light grey
 Exposed rock type NIL % surface
 Sub-surface Soil clay loam Colour same
 Rock type NIL depth to rock
 Drainage well mod poor depth water 10 cm Wet all year winter/spring
 Litter 30-70 % cover (low) Bare Ground 30-70 (low)
 Depth 2 mm % cover

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

 SITE No POPO 19
 Date 22/9/96
13/11/96

Record on Sheet

start @ 54

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>acacia acuminata</i>	28	✓	✓	<i>Danthonia setacea</i>	54	✓	✓	<i>Sowerbaea latiflora</i>	23	✓	✓
<i>Allocasuarina huegeliana</i>	50	✓	✓	<i>Anthropodium preissii</i>	NS	✓	✓	<i>Leptocarpus menziesii</i> in rabbit orchid	34	✓	✓
				<i>Ptilotus manajlesii</i>	NS	✓	✓	<i>*flax weed - Harporhena slab</i>	35	✓	✓
				<i>Neurachne calopocuronta</i>	NS = 40	✓	✓	<i>Ambrosia multifida</i>	46	36	✓
				<i>Velleia cynopodamica</i>	NS = 17	✓	✓	<i>Dorita scirpioides</i>	37	✓	✓
				<i>Pogonolepis muelleriana</i>	56	✓	✓	<i>Synedrella nodiflora</i> Duns slab	38	✓	✓
MALLEES				<i>Triglochin centrocarpa</i>	NS	✓	✓	<i>Phyllidella pygmaea</i>	43	39	✓
								<i>Hypoxis slabella</i>	41	✓	✓
				GRASSES				<i>Brennanspora drummondii</i>	18 = 42	✓	✓
				<i>*Ara caryophyllacea</i>	1	✓	✓	<i>Phyllidella pygmaea</i> (= 39)	43	✓	✓
				<i>*romulea rosea</i>	2	✓	✓	<i>? spec = 59?</i>	44	✓	✓
SHRUBS viminea				<i>*briza minor</i>	3	✓	✓	<i>Silene multiflora</i>	45	✓	✓
<i>mela leuca ? humulosa</i>	11	✓	✓	<i>*briza major maxima</i>	4	✓	✓	<i>Ambrosia multifida</i> = 36	46	✓	✓
				<i>*Ara caryophyllacea</i>	5	✓	✓	SEDGES			
				<i>*Briza maxima</i>	4 = 6	✓	✓	<i>*Spergularia tenellus</i>	7	✓	✓
<i>*Junus capitatus</i> (mixed with #57)		✓	✓	<i>*grass ? sp. Viliamys</i>	19	✓	✓	<i>Schizanthus plumosus</i>	8	✓	✓
<i>Thelymitra flexuosa</i>	NS	✓	✓	<i>grass ? sp. Isotria</i>	20	✓	✓	<i>Lepidosperma longitundinale</i>	9	✓	✓
<i>*Ara caryophyllacea</i>	51	NS	✓	<i>Podolepis alopec</i>	40	✓	✓	<i>Chorizanthe enodis</i>	10	✓	✓
<i>*Monopsis simplex debilis</i>	61	NS	✓	HERBS				<i>Triglochin catenata</i> ssp. <i>incurvum</i>	12	✓	✓
				<i>Thysanotus patersonii</i>	16	✓	✓	<i>reseda Meeboldiana</i> <i>coarctata</i> ?	13	✓	✓
HERBS (cont.)				<i>Velleia cynopodamica</i>	17	✓	✓	<i>Isotria setiformis</i>	14	✓	✓
<i>? Goodeniacaea</i>	47	?	?	<i>Brennanspora drummondii</i>	18	✓	✓	<i>sedge ? sp. Grass</i> <i>inertile</i>	15	?	inertile
				<i>Thelymitra antennifera</i>	21	✓	✓	<i>Lepidosperma sp.</i>	30	?	?
				<i>Caesia affordii</i>	22	✓	✓	<i>Schizanthus sp. (? n. flavus var. n.)</i>	19	✓	✓
ADJACENT				<i>Cratogeomys ovale</i>	23	✓	✓	<i>Drosera</i> ramellosa slab	1/5 = 26		
<i>Conostylis auleata</i> sp. <i>auleata</i>	48	✓	✓	<i>Dianthus laxiflora</i>	24	✓	✓	<i>Goodenia miranthera</i>	1/5		
<i>hibbertia rupicola</i>	49	✓	✓	<i>Drosera menziesii</i>	25	✓	✓	<i>Anthotum tunciforme</i>	55		
				<i>Drosera ramellosa</i>	26	✓	✓	<i>Brennanspora drummondii</i>	NS = 18 + 42		
<i>E. Wandoo</i>	51	✓	✓	<i>Caladenia uliginosa</i> subsp. <i>cardiac</i>	27	✓	✓	<i>Isotria setiformis</i> 14 = 58	58	✓	✓
<i>Padania flava</i> slab Plav	52	✓	✓	<i>Epilobium longipetala</i>	29	✓	✓	<i>* Trifolium dubium</i>	NS = 31		
<i>Leptocarpus menziesii</i> (= 34)	53	✓	✓	<i>Trifolium dubium</i>	31	✓	✓	<i>Podolepis gracilis</i>	59	✓	✓
				<i>Isotria sp. (inertile) (pos. I. drummondii)</i>	32	✓	✓	<i>Homodromus simplex</i>	60	✓	✓
				<i>Gnephosis drummondii</i>	57	✓	✓	<i>Stylidium roseo-album</i>	61	✓	✓

Det. m.

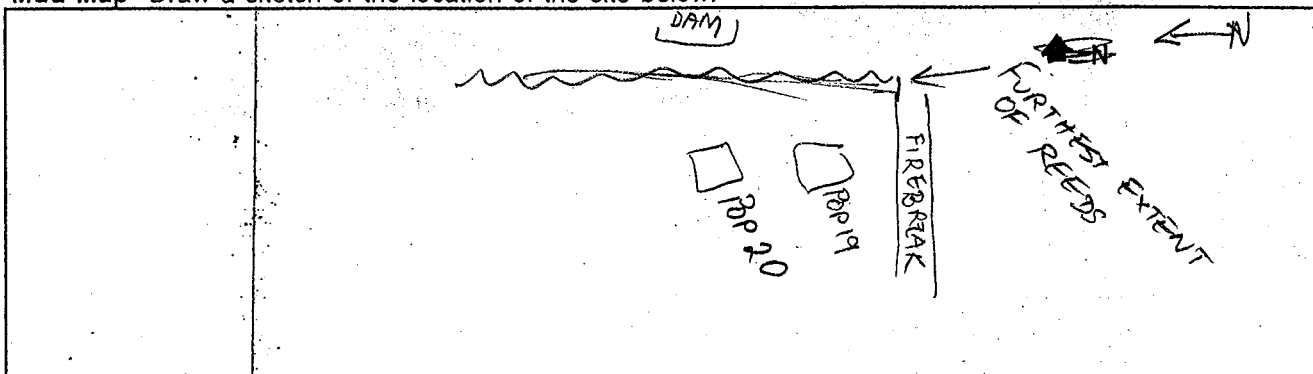
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA POP 20 SITE NUMBER POPO 20
 DATE TRIP 22-9-96 RECORDERS L-ANDERSON, ANN BELLMAN
 DATE TRIP _____ RECORDERS ANN GUNNESS,
 DATE TRIP _____ RECORDERS _____
 BOTANIST ANN

1. LOCATION of the QUADRAT

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

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



Road Location

32° 40' 50.4"

117° 08' 52.1"

Geographic Location Latitude

S Longitude

E Altitude

Reference Map

32° 40' 84"

117° 08' 868"

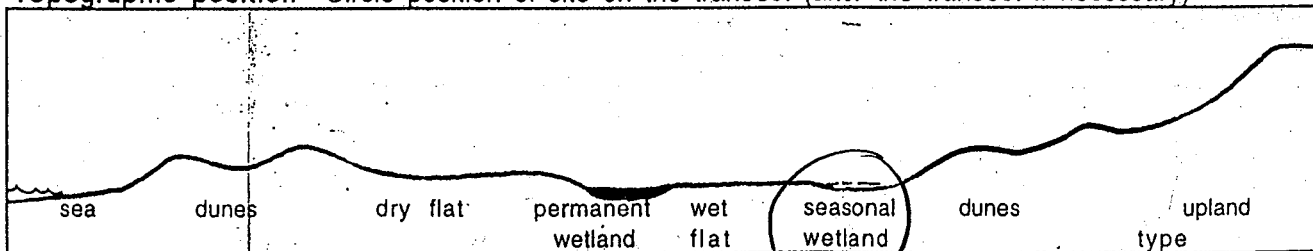
Photograph

Photographer's Name

ANN GUNNESS

Photo No

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



2. SITE DATA Circle the correct response.

Slope	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW
Surface Soil	<u>CLAY</u>			Colour	<u>GREY</u>							
Exposed rock	type <u>NONE</u>			% surface								
Sub-surface Soil				Colour								
Rock	type			depth to rock								
Drainage	well	mod	<u>poor</u>	depth water	<u>3</u>	cm	Wet	all year	<u>winter/spring</u>			
Litter	<u>20-30</u>			% cover								
1 cm Depth				% cover								
Bare Ground	<u><5</u>			% cover								

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No POP 20
Date 22-9-96
13-11-96 16.9

Record on Sheet

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

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
EUCALYPTUS RUDIS	1		✓					Cyrtanthus peruviana	26	✓	✓
								* Crassula natans	29	✓	✓
								Caesia affordii	31	✓	✓
								* Monopsis simplex debilis	32	✓	✓
								* Lathyrus myssopifolium	53		✓
MALLEES								* Romulea rosea	NS		✓
				GRASSES				Centrolepis aristata	26	NS	✓
				GRASS ? ? Vulpia (indet)	11	?		Aphelia cyperoides	NS		✓
				Polypogon tenellus	25	✓	✓				
SHRUBS				Not Anthomia setacea	27	✓	✓	Oxalis purpurea	=14	NS	✓
MECALEUCA VIMINEA	2	✓	✓	Amphibromus nervosus	28	✓	✓				
								SEDGES			
								Lepidosperma longitudoale	3		✓
								Meeboldina coarctata	2	♀	4
								Meeboldina coarctata	5		✓
ADJACENT								CHORIZANDRA ENODIS	6	✓	✓
ASTARTEA SP (papillate stems)			✓					Isotetris setiformis	=15	13	✓
DIANELLA SP				HERBS				* Cyrtanthus tenellus	16		✓
Grassus natans var minus			✓	Triglochin lineare	7	7	✓	Schoenus plumosus	18	✓	✓
DROSER A SP = 12 - ramellosa					3	8	✓	Schoenus sculphus	30		✓
FLESHY TUSsock				Tribonanthes longipetala	9	✓	✓	Lepidosperma longitudoale	NS	=3	✓
Villarsia capitata			✓	MICROTYS ORBICULARIS	10	✓	✓	(Isotetris setiformis	15		✓
				DROSER A ramellosa	12	✓	✓	Centrolepis aristata	20a		✓
				OXALIS PURPUREA (40' clock)	14	✓	✓				
				Cotula coronopifolia	17	✓	✓				
				Goodenia micrantha	19	✓	✓	ADJACENT			
				Silene multiflorus	20		✓				
				Anthropodium preissii	21	✓	✓	Astartea (sp) papillate stems			✓
				Triglochin centrocarpa	22	✓	✓	? Isotetris sp			
				Myriophyllum drummondii	23	✓	✓	Dianella brevicaulis			✓
				Stylidium sp ?	24	?	✓				

Adjacent Villarsia capitata