

KL30

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolallening NR SITE NUMBER B0001
 DATE TRIP 21-9-2000 RECORDERS Nq/GK/WM
 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.

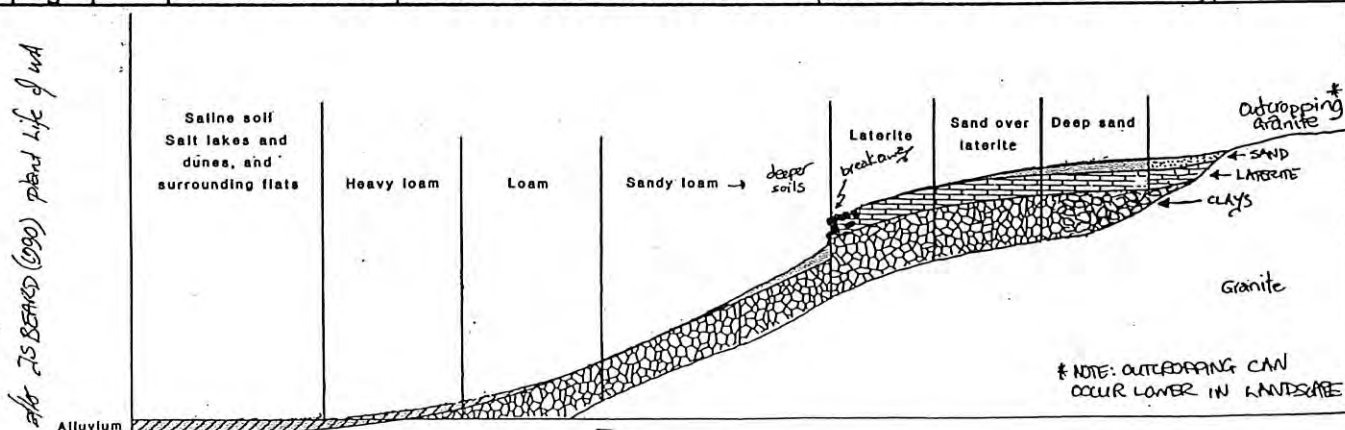


Road Location

Geographic Location Latitude 32° 7' 23.7" S Longitude 117° 46' 50.7" E Altitude _____
 Reference Map _____

Photograph Photographer's Name _____ Photo No _____

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



2. SITE DATA Circle the correct response.

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	<u>S</u>	SW	W	NW
Surface Soil	<u>sandy clay</u>							Colour	<u>cream</u>			
Exposed rock	type							% surface				
Sub-surface Soil	<u>gravel-clay</u>							Colour				
Rock	type							depth to rock	<u>> 1 m</u>			
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year	winter/spring				
Litter	<u>+ wigs, stems</u>			% cover	<u>30/70</u>	Bare Ground	<u>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.

		TREES			MALLEES	
		over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM						
COVER CLASS (%)						
DOMINANT SPECIES						
		SHRUBS			SHRUBS	
		over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM						
COVER CLASS (%)		30-70			10-30	
DOMINANT SPECIES		Alloc. camp			Hakea scop Astr. serrata	
		GRASSES		HERBS	SEDGES	
					over 0.5m	under 0.5m
LIFE FORM						
COVER CLASS (%)		2		10-30		30-70
DOMINANT SPECIES		Neracne alo		oper. rubid		Mesompl - preissii Lepidob chaet

4. VEGETATION CONDITION

Comments

excellent

KL30

BOOLANELLING RESERVE							
Site No.: 1				Date Assessed		Date Assessed	
T3: Tamma thicket type 3				3/09/98		27/10/98	
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	<i>*Ursinia anthemoides</i>				40	0.05	✓
	<i>*Vulpia bromoides</i> MYURUS				10		0.05
	<i>Allocasuarina campestris</i>	400	20	5	400	20	✓
BO001.07	<i>Amphipogon strictus</i>	30	0.5		30	0.5	✓
	<i>Astroloma serratifolium</i>	80	3		80	3	✓
	<i>Austroanthonia caespitosa</i>				30	0.1	✓
	<i>Austrostipa elegantissima</i>				30	0.05	✓
BO001.09	<i>Baeckea crispiflora</i>	80	0.5		110	0.1	✓
	<i>Boronia coerulescens</i>				70	0.05	✓
BO001.10	<i>Borya sphaerocephala</i>	10	0.5		10	1	✓
BO001.12	<i>Calothamnus quadrifidus</i>	60	0.2		40	0.2	✓
	<i>Calytrix leschenaultii</i>				30	0.5	✓
	<i>Chamaesilla corymbosa</i> var latif	20	0.2				✓
BO001.13	<i>Chamaexeros fimbriata</i>	50	0.1		50	0.1	✓
BO001.16	<i>Cyanicula amplexans</i> ms	5	0.01				✓
BO001.18	<i>Cyanicula deformis</i> ms				10	0.05	✓
	<i>Drosera</i> subhirtella	T	0.01		T		0.01
	<i>Dryandra cirsioides</i>	80	0.01		80	0.5	✓
BO001.22	<i>Gnephosis tenuissima</i>				10	0.05	✓
	<i>Haemodorum</i> discolor	30	0.01		30	0.01	✓
	<i>Hakea scoparia</i>				100	2	0.5
BO001.06	<i>Laxmannia grandiflora</i>	15	0.05		15	0.05	✓
BO001.02	<i>Lepidobolus preissianus</i>	20	5		20	10	✓
BO001.11	<i>Lepidosperma</i> sp. res in "ham" (VSP)	40	0.2		40	0.2	✓
BO001.15	<i>Leucopogon dielsianus</i>	30	0.2		30	0.2	✓
BO001.04	<i>Leucopogon tamminensis</i> cymbiformis	20	0.5		20	2.5	✓
BO001.17	<i>Melaleuca leptospermoides</i>	40	0.01		40	0.01	✓
BO001.24	<i>Melaleuca subtrigona</i>	60	0.5		60	0.5	✓
BO001.01	<i>Mesomelaena preissii</i>	40	0.5		40	1	✓
	<i>Neurachne alopecuroidea</i>	10	0.5		10	0.5	✓
BO001.05	<i>Opercularia vaginata</i> rubidioides	15	2		15	5	✓
BO001.03	<i>Psammodroma choretroides</i>	120	3				✓
BO001.19	<i>Stylidium dichotomum</i>				15	0.01	✓
BO001.20	<i>Stylidium luteum</i> subsp. clavatum				25	0.05	✓
	<i>Thelymitra</i> sp.				50	0.05	✓
	<i>Trachymene cyanopetala</i>				10	0.5	✓
	<i>Trachymene ornata</i>				10	0.5	✓
BO001.14	<i>Verticordia chrysantha</i>	40	0.5		40	0.5	✓
	<i>Stylidium petiolare</i>						✓
	<i>Elytranthera brunonis</i>						✓
	<i>Stackhousea monogy</i>						✓
	<i>Drosera</i> (pygmy)						✓

NO SPEC ON DIS.
NO SPECIMEN ADS
del

Schoenus subflavus
Conostylis setigera
Amphipogon turbinatus
Hydrocotyle callicarpa

KL31

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling NR SITE NUMBER BOO 02
DATE TRIP 21-9-2000 RECORDERS NA/GK/WM
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.



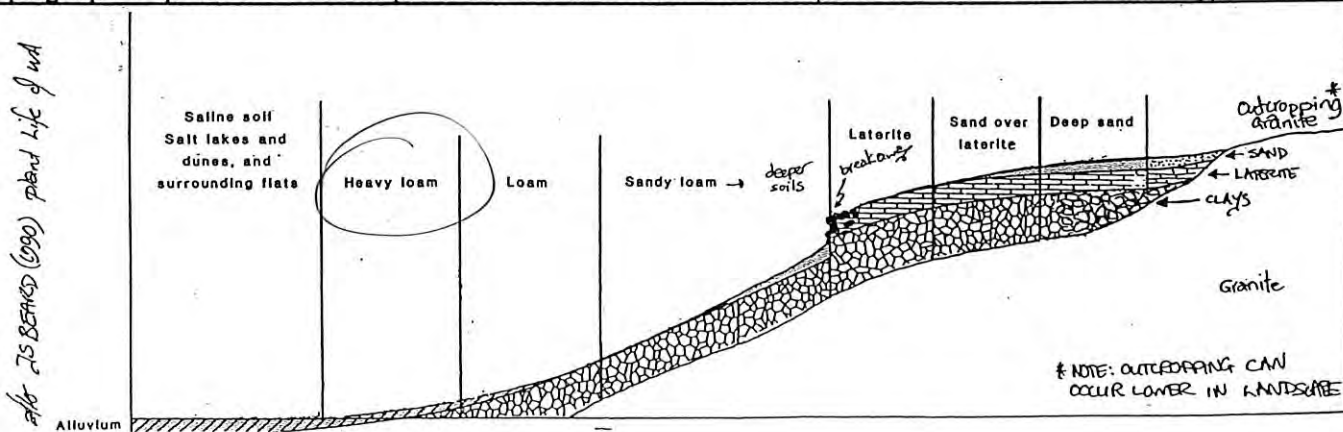
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____ 32° 7' 25.6" 117° 47' 04.7"

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 gully clay Colour grey-brown
Exposed rock type _____ % surface _____

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

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

Litter lvs, twigs % cover 30/70 Bare Ground 30 %cover _____
Depth 2-3 cm

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

3. VEGETATION STRUCTURE AND COVER

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)		30-70			
DOMINANT SPECIES		Euc. wandoo			

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10				2-10
DOMINANT SPECIES	Alloc. camp				West rigida

GRASSES		HERBS		SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10-30	30-70			
DOMINANT SPECIES	Neracue alo	Bany sphaxio Poldo l'gss Lom effusa			

4. VEGETATION CONDITION

Comments

excellent

KL31

BOOLANELLING RESERVE							
Site No.: 2	Date Assessed			Date Assessed			
W2: <i>Eucalyptus wandoo</i> woodland - type 1	3/09/98			27/10/98			
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Bromus rubens</i>				30		0.1
	* <i>Hypochaeris glabra</i>	1	0.1		0	0	
BO002.13	* <i>Osteospermum clandestinum</i>	15	0.05		0	0	
	* <i>Parentucellia latifolia</i>				10		0.01
	* <i>Ursinia anthemoides</i>	5	0.1		5	0.1	
BO002.03	<i>Acacia lasiocarpa</i> var. <i>sedifolia</i>	40	0.5		40	0.5	
	<i>Allocasuarina campestris</i>	220		1	220	0.1	0.5
	<i>Austrodanthonia caespitosa</i>	15	0.2		15	0.2	
	<i>Austrostipa elegantissima</i>				30	0.1	
	<i>Austrostipa trichophylla</i>				40	0.1	
BO002.14	<i>Borya sphaerocephala</i>	5	0.2		5	0.5	
BO002.08	<i>Bulbine semibarbata</i>	15	4		0	0	
BO002.06	<i>Chamaecilla corymbosa</i> var <i>latifolium</i>	5	0.1		5	0.1	
BO002.04	<i>Dampiera lavandulacea</i>	5	0.05		5	0.5	
BO002.15	<i>Desmocladus asper</i> ms //	10	0.05		10	1	
	<i>Dianella revoluta</i>	50	1		50	1	
BO002.09	<i>Diuris picta</i> <i>porrifolia</i>	20	0.01		20		0.01
BO002.01	<i>Dodonaea bursariifolia</i>	30	1		30	1	
	<i>Eucalyptus wandoo</i>	1500	20	5	1500	20	5
	<i>Hyalosperma cotula</i>	5	0.01		0	0	
BO002.05	<i>Lomandra effusa</i>	15	0.5		15	0.5	
BO002.11	<i>Lomandra micrantha</i> subsp. <i>teretifolia</i>	15	0.1		15	0.1	
	<i>Neurachne alopecuroides</i>	5	0.3		5	0.3	
	<i>Phyllangium paradoxum</i>				5		0.01
BO002.10	<i>Podolepis capillaris</i>	5	0.1		5	0.1	
BO002.07	<i>Podolepis lessonii</i>	10	0.2		10		0.2
BO002.12	<i>Pterostylis sanguinea</i>	10	0.01		0	0	
	<i>Trachymene cyanopetala</i>				5		0.05
BO002.02	<i>Westringia rigida</i>	15	0.3		15	0.3	
✓	<i>Hydrocotyle medicag</i>						
✓	<i>Eriachilus dilatatus</i> ssp <i>undulatus</i>						
✓	<i>Hyalospermum demiss</i>						
✓	<i>Dichopogon timb</i>						
✓	<i>Cassia latifolia</i> (vsp)						

Dieho Artropodium capillipes
Anagallis arvensis

// *Baccharis preissiana* complex

in *utah*
as sp.

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling NR SITE NUMBER B00 03
 DATE TRIP 22-9-2000 RECORDERS NG/GK/WM
 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 _____ S Longitude _____ E Altitude _____

Reference Map.

32° 7' 26.2"

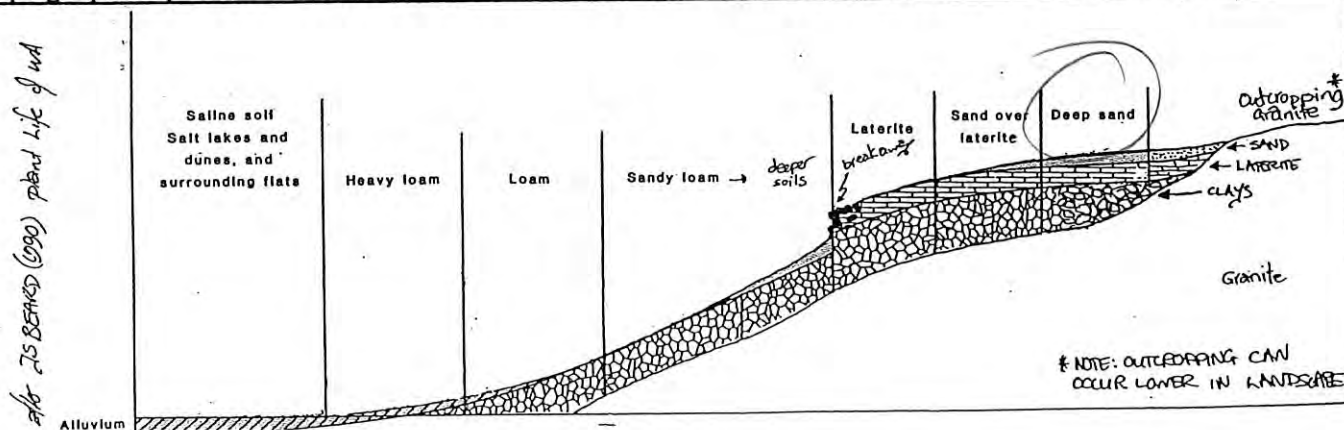
117° 46' 46.4"

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.

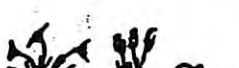
Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	S	<u>SW</u>	W	NW
Surface Soil	<u>sandy clay</u>								Colour	<u>yellow</u>		
Exposed rock	type _____								% surface	_____		
Sub-surface Soil	<u>deep sandy clay</u>								Colour	<u>yellow</u>		
Rock	type _____								depth to rock	<u>> 1m</u>		
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet		all year		winter/spring		
Litter	twigs, lvs, stems		% cover	<u>10/30/30/70</u>		Bare Ground		<u>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						30m	10m
COVER CLASS (%)				10-30	10-30		
DOMINANT SPECIES					EUC. macrocarpa		
SHRUBS							
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)		10-30			10-30		
DOMINANT SPECIES		Allocas camp Dry. horrida			Mel. leptosp		
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	2-10	2-10			30-70		
DOMINANT SPECIES	Amphipog Nectache	Barya const			Megom. preiss Lepidob. preiss		

4. VEGETATION CONDITION

Comments

excellent

KL32

BOOLANELLING RESERVE								
Site No.: 3			Date Assessed			Date Assessed		
H9: Tamma heath type 3			3/09/98			27/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	<i>Allocasuarina campestris</i>	170	4		170	4		✓
	<i>Amphipogon turbinatus</i>				30	1		✓
	<i>Austrostipa elegantissima</i>				70	0.05		✓
BO001.09	<i>Baeckea crispiflora</i>	30	0.1		30	0.5		✓
BO003.07	<i>Beaufortia micrantha</i> var. <i>puberula</i>	40	0.2		40	0.2		✓
BO003.03	<i>Boronia coerulescens</i> subsp. <i>coerulescens</i>	25	0.1		25	1		✓
BO001.10	<i>Borya sphaerocephala</i> <i>constricta</i>	5	3		5	5		✓
~~BO003.13~~	~~<i>Caladenia dimidia</i> ms~~	15	0.01					
	<i>Cassytha</i> sp.	T	0.01					
check	~~<i>Conospermum scaposum</i>~~ <i>delete</i>				40	0.05		
	<i>Dampiera oligophylla</i>				40	0.05		✓
BO003.18	<i>Daviesia longifolia</i>				20	0.5		✓
BO003.08	<i>Drosera platystigma</i>	5	0.01		5	0.01		
	~~<i>Drosera</i> sp.~~ <i>androsaceae</i>	T	0.01					
BO003.01	<i>Dryandra horrida</i>	100	2		100	5		✓
~~BO003.09~~	~~<i>Eucalyptus macrocarpa</i>~~	250	3		250	3		✓
BO003.06	<i>Hakea circumalata</i>	60	1.5		60	1.5		✓
BO003.02	<i>Hakea incrassata</i>	30	0.7		30	0.7		✓
BO003.17	<i>Halgania lavandulacea</i>				15	0.5		✓
BO003.15	<i>Hibbertia polystachya</i>				30	0.5		✓
BO003.05	<i>Hibbertia pungens</i>	30	0.01		20	0.5		✓
BO001.06	<i>Laxmannia grandiflora</i> <i>palacea</i>	15	0.01		15	0.01		✓
BO001.02	<i>Lepidobolus preissianus</i>	30	15		30	50		✓
BO001.11	<i>Lepidosperma</i> sp.	30	0.01		30	0.01		✓
~~BO003.12~~	~~<i>Lomandra collina</i>~~ <i>off. succulentum</i>	5	0.01		5	0.01		✓ (VSP)
~~BO001.17~~	~~<i>Melaleuca leptospermoides</i>~~	40	3.5		40	5		✓
BO001.01	<i>Mesomelaena preissii</i>	40	5		40	10		✓
BO003.04	<i>Mirbelia spinosa</i>	20	0.01		20	0.5		✓
	<i>Neurachne alopecuroidea</i>	15	1.5		15	2		✓
	<i>Opercularia vaginata</i>				20	0.05		✓
	<i>Psammomoya choretroides</i>				30	0.05	0.02	✓
BO003.10	<i>Schoenus pleiostemoneus</i>	5	0.01		5	0.1		✓
	<i>Stylidium bulbiferum</i> <i>breviscapum</i>				10	0.01		✓
	<i>Thysanotus patersonii</i>				T		0.01	✓
	<i>Xanthorrhoea nana</i>	60	1.5		60	15		✓

Gnephosis
Drosera macrantha
Amphipogon strictus
Astroloma serratifolium
Comesperma scoparium
Schoenus calcatus
Schoenus subflavus
Tricoryne tenella

No SPEC on DB

No SPEC on DB

check

IS ON DB

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling NR SITE NUMBER 800 04
 DATE TRIP 22-9-2000 RECORDERS NG/KK/WM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

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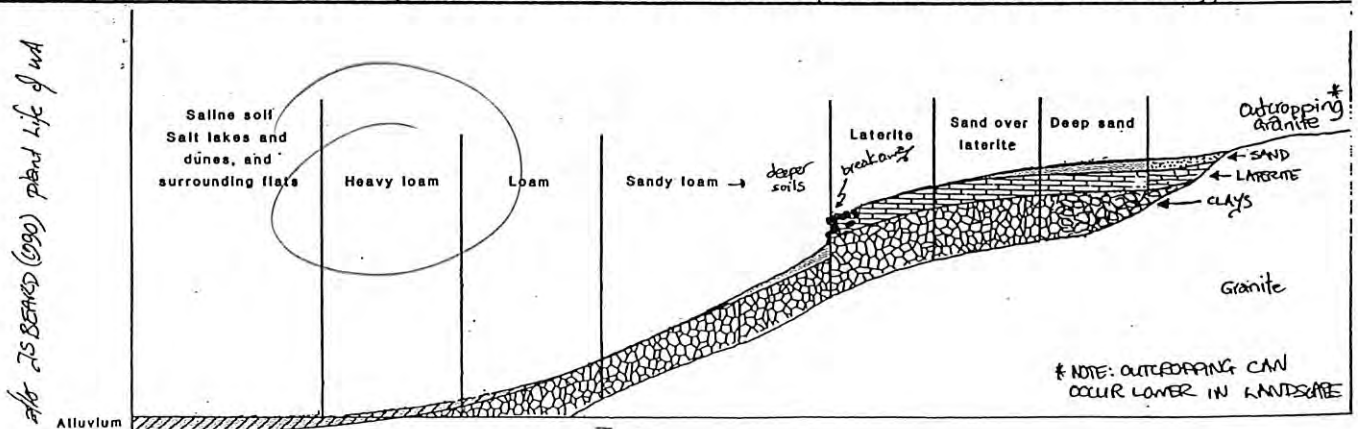
Road Location

Geographic Location Latitude S Longitude E Altitude

Reference Map 32° 7' 23.8" 117° 46' 31.1"

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 sandy clay Colour brown
 Exposed rock type % surface

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

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

Litter twigs, twigs bark % cover 70/90 Bare Ground 10-20 % cover
 Depth 2-10 cm

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

3. VEGETATION STRUCTURE AND COVER

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

For each layer record appropriate life form, cover class (see below) and dominant species in each layer.					
Cover Class		2-10%	10-30%	30-70%	over 70%
TREES					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM					
COVER CLASS (%)		10-30			
DOMINANT SPECIES		Euc. wandoo			
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)					2-10
DOMINANT SPECIES					Hakea lissocarpa Stenanth. trident
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10-30	10-30			30-70
DOMINANT SPECIES	Neracne alopec Austros eleg	Helichry leucop Lom. leffusa Barya sphaeroc			Desmod asper

4. VEGETATION CONDITION

Comments

excellent

KL33

BOOLANELLING RESERVE							
Site No.: 4				Date Assessed		Date Assessed	
W3: Eucalyptus wandoo woodland - type 2				3/09/98		27/10/98	
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	*Ursinia anthemoides	10	0.1		10		0.5
BO004.06	Acacia lasiocarpa var. sedifolia	20	0.3		20	0.3	
BO005.30	Amphipogon laguroides				30	0.01	
	Austrodanthonia caespitosa				15	0.1	
	Austrostipa elegantissima				80	0.5	
	Austrostipa trichophylla				70	1	
BO004.03	Borya sphaerocephala	5	3		5	5	
	Caesia micrantha				30	0.01	
	Chamaescilla corymbosa var latifolia	5	1.5		5	1.5	
	~~Chamaexeros fimbriata~~ delete				15	0.1	
BO004.08	Dampiera lavandulacea	30	0.1		30	0.1	
~~BO004.02~~	Desmodium asper	15	4		30	2	
	Dianella revoluta	30	0.3		30	0.5	
	Drosera sp.	T	0.01		T		0.01
	Eucalyptus wandoo	700	17	5	700	17	5
BO004.05a	~~Euchiton sphaericus~~ genus of indet.	5	1.3				
	Helichrysum leucopsidium				25	1	
BO004.01	Isotropis cuneifolia subconifolia	5	0.5		5	0.5	
	Lagenifera huegelii	5	0.4		15	0.1	
BO004.15	Laxmannia squarrosa				15	0.1	
BO004.13	Lepidobolus chaetocephalus	20	0.1		20	1	
BO004.17	Lepidosperma sp. viscidum				25	0.1	
BO004.07	Lomandra effusa	30	0.7	0.1	30	1	
	Neurachne alopecuroides	15	0.1		15	2	
BO004.10	Opercularia vaginata	5	0.2		5	0.5	
BO004.09	Poaceae sp. delete	10	0.4				
BO004.04	Podolepis capillaris	10	0.1		10	0.1	
BO004.05	Podolepis lessonii	10	0.1		10	0.1	0.5
BO004.11	Stackhousia monogyna	15	0.01		15	0.01	
BO004.12	Stenanthemum tridentatum	15	0.1		15	0.01	
	Stypandra glauca				30	0.1	

Dichopogon fimbriatus

✓ Drosera subhirt subhirt

Hydrocotyle medicag

" callicarpa

Blennospora drumm

Podotrocha angustif

Lobelia gibbosa

Trachym cyanop

✓ Diuris

✓ Prasophyllum 3grinde

✓ Phyllangium paradox (young)

✓ Brachycome gland perpuscula

Comesperma volubile

Lomandra micrantha

Eriochilus dilatat

Thysanot paterson

Pterostylis sanguin

Arthrop. capillipes

Diuris parvifolia

22-9-00

Add Hakea lasiocarpa
from overland

KL34

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling NR SITE NUMBER B00 05
 DATE TRIP 22-9-2000 RECORDERS NG/GK/WM
 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.

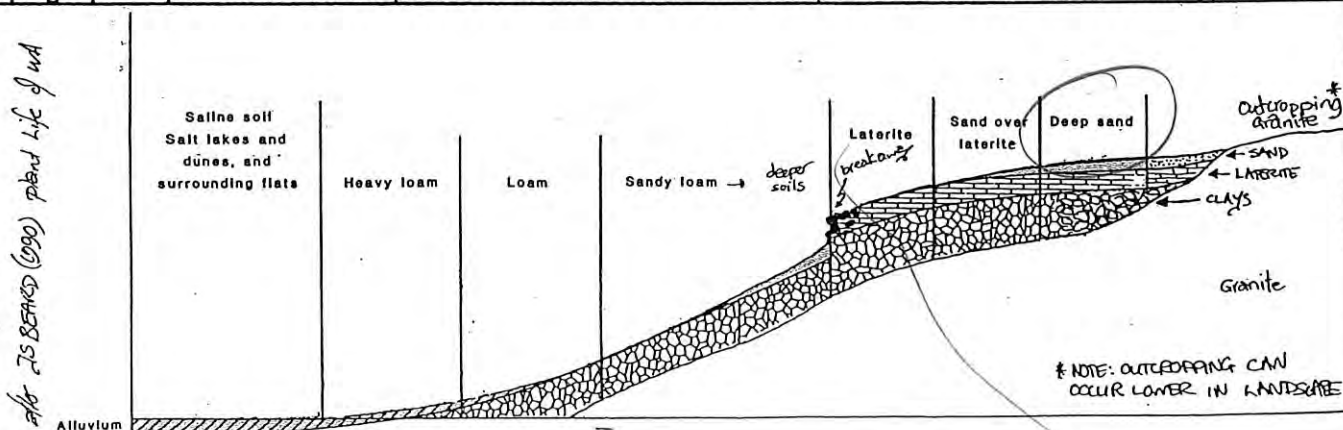


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____ 32° 7' 21.9" 117° 46' 09.3"

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.

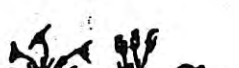
Slope flat gentle steep Aspect N NE E SE S SW W NW
 Surface Soil sandy clay Colour yellow
 Exposed rock type _____ % surface _____
 Sub-surface Soil sandy clay Colour yellow
 Rock type _____ depth to rock > 1m
 Drainage well mod poor depth water cm Wet all year winter/spring
 Litter twigs lvs % cover 30-70 Bare Ground 50 %cover
 Depth 2-5 cm

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES							
SHRUBS						SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)		10-30			10-30		
DOMINANT SPECIES		Aller. camp. Dry. horrida			Mel. leptosp		
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	2-10	2-10			30-70		
DOMINANT SPECIES	Nuraclme alop	Lom. ?suav			Meso priss Schoenus pleist		

4. VEGETATION CONDITION

Comments

excellent

22-9-00

KL34

BOOLANELLING RESERVE								
Site No.: 5				Date Assessed			Date Assessed	
H5: <i>Dryandra horrida</i> heath				3/09/98			27/10/98	
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	<i>Allocasuarina campestris</i>	120	5	1	120	8	2	✓
	<i>Allocasuarina microstachya</i>				40		0.5	✓
BO005.30	<i>Amphipogon laguroides</i> <i>turbinatus</i>				30	0.5		✓
BO005.12	<i>Amphipogon turbinatus</i>	20	0.5		20	0.5		✓
	<i>Austrostipa elegantissima</i>				30	1.5		✓
	<i>Baeckea crispiflora</i>				30	0.1		✓
BO005.06	<i>Beaufortia micrantha</i>	40	4	0.5	40	5	0.5	✓
BO002.14	<i>Borya sphaerocephala</i> <i>constricta</i>	5	1		5		1	✓
BO005.33	<i>Chamelaucium ciliatum</i> <i>pauciflorum</i>				30	0.1		✓
BO005.09	<i>Comesperma scoparium</i>	35	2	0.5	35	2	0.5	✓
BO005.03	<i>Conostylis setigera</i> subsp. <i>setigera</i> <i>villosus</i>	10	0.1		10	0.1		✓
BO005.08	<i>Cryptandra leucopogon</i>	25	2	0.5	25	2	0.5	✓
BO005.18	<i>Dampiera oligophylla</i>	20	0.05					✓
BO005.32	<i>Daviesia nudiflora</i>				10	0.01		✓
BO005.05	<i>Dryandra horrida</i>	100	10		100	15		✓
BO005.14	<i>Goodenia affinis</i>	20	0.1					✓
BO005.16	<i>Halgania integerrima</i>	15	0.2		15	0.2		✓
BO005.15	<i>Hibbertia exasperata</i>	20	0.5		20	0.5		✓
BO005.01	<i>Laxmannia grandiflora</i> <i>palacea</i>	15	0.05		15	0.5		✓
	<i>Lepidobolus chaetocephalus</i>				30	0.5		✓
BO005.22	<i>Lepidosperma</i> sp.	25	0.5		25	0.5		✓
BO005.25	<i>Lepidosperma</i> sp.	20	0.3		20	0.3		✓
BO005.24	<i>Leptospermum erubescens</i>	100	1.5		100	1.5		✓
	<i>Leucopogon dielsianus</i>				60	0.1		✓
	<i>Levenhookia stipitata</i>				5	0.01		✓
BO005.26	<i>Lomandra effusa</i> no (2 collected)	20	0.3		20	0.3		✓
BO005.07	<i>Melaleuca leptospermoides</i>	30	5	1	30	5		✓
BO005.02	<i>Mesomelaena preissii</i>	20	8		50	10		✓
	<i>Neurachne alopecuroidea</i>	10	0.5		10	1		✓
	<i>Opercularia vaginata</i>				25	0.5		✓
BO005.20	<i>Persoonia coriacea</i>	30	0.5		30	0.5		✓
BO005.11	<i>Persoonia trinervis</i>	50	1.5		50	2		✓
BO005.23	<i>Psammomoya choretroides</i>	30	0.2		30	0.5		✓
BO005.31	<i>Pterochaeta paniculata</i>				5	0.5		✓
BO002.12	<i>Pterostylis sanguinea</i>	20	0.01					✓
BO005.13	<i>Schoenus pleiostemoneus</i>	15	3		15	3		✓
BO005.04	<i>Stylidium calcaratum</i>	2	0.01		2	0.01		✓
BO005.21	<i>Stylidium caricifolium</i>	15	0.2		15	0.2		✓
BO005.17	<i>Stylidium repens</i>	5	0.1		5	0.1		✓
BO005.19	<i>Urodon dasyphyllus</i>	15	0.3		15	0.3		✓
	<i>Verticordia chrysantha</i>	45	0.5		45	0.5		✓
BO005.10	<i>Verticordia picta</i>	30	0.2		30	0.5		✓
	<i>Waitzia acuminata</i>				15	0.01		✓
	<i>Xanthorrhoea nana</i>	50	2		50	2		✓
	<i>Chaemascilla spiralis</i>							✓
	<i>Cryptandra pubes</i> (v.s.p.)							✓
	<i>Cassytha</i> (s.e.l.)							✓

✓ *Calytrix teschen brachyphylla*
Boronia caerulea ssp *coerulea*
Drosera zonaria
 ✓ *Conostylis*? *juncus*
Goodenia

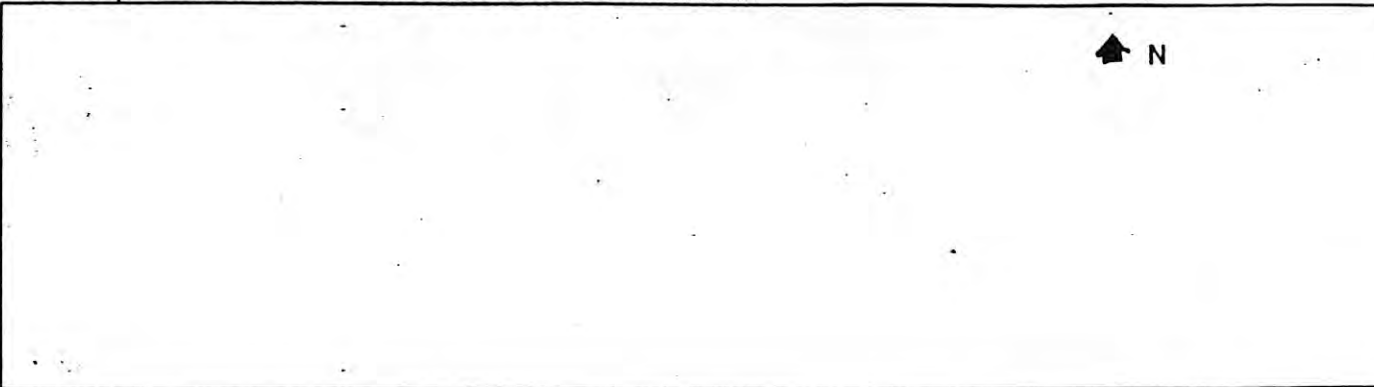
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolarneelling NR SITE NUMBER 800 06
 DATE TRIP 21-9-2000 RECORDERS NG/GK/WM
 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.

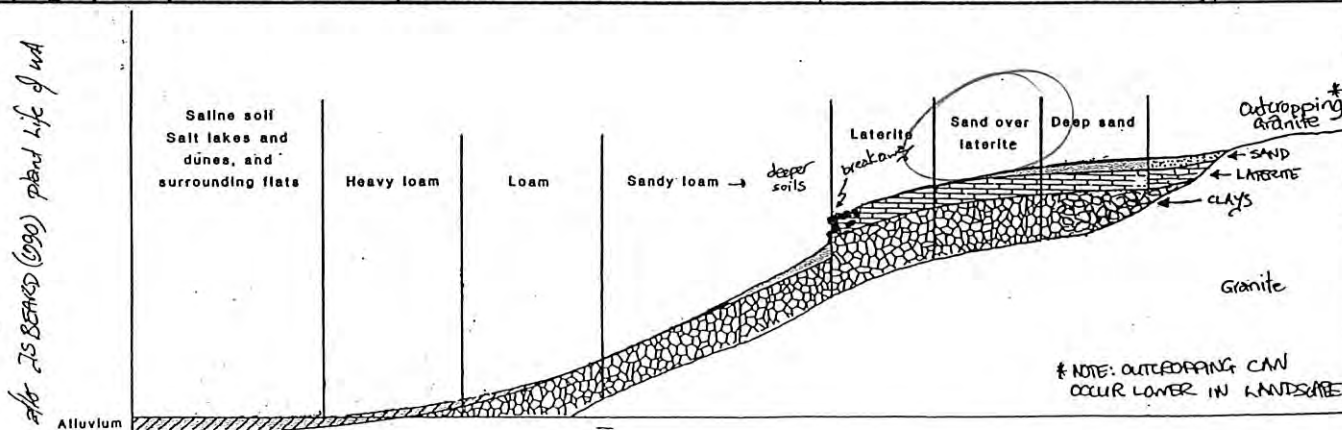


Road Location

Geographic Location Latitude 32° 7' 26.1" S Longitude 117° 45' 19.6" E Altitude
 Reference Map 571260 6445566

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 lateritic sandy clay Colour brown
 Exposed rock type laterite pebbles % surface 10

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

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

Litter lvs, twigs % cover 30/70 Bare Ground 40 %cover
 Depth 2-10 cm

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

3. VEGETATION STRUCTURE AND COVER

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

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

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

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM				 Banks. sphero Dry. confert	
COVER CLASS (%)	2-10			30-70	2-10
DOMINANT SPECIES	Alloc. camp			mixed Hakea cyl	Hibbertia exas Vert chrys

GRASSES		HERBS		SEDGES	
	over 0.5m	under 0.5m		over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10	2-10			2-10
DOMINANT SPECIES		Calceol grand Conosty			Schreves spp

4. VEGETATION CONDITION

Comments

excellent

KL35

BOOLANELLING RESERVE							
Site No.: 6	Date Assessed			Date Assessed			
H4: Tall mixed heath	3/09/98			27/10/98			
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
BO006.15	<i>Acacia moirii</i> subsp. <i>recurvistipula</i>	20	0.1		20	0.1	
	<i>Allocasuarina campestris</i>	180	1		180	1	
	<i>Banksia sphaerocarpa</i> var. <i>caesia</i>	60	0.5		60	0.5	
BO006.03	<i>Beaufortia micrantha</i> var. <i>puberula</i>	50	5		50	5	
BO003.03	<i>Boronia coerulescens</i> subsp. <i>coerulescens</i>	20	0.3		0	0	
BO001.10	<i>Borya sphaerocephala</i>	15	0.1		0	0	
BO006.05	<i>Calectasia grandiflora</i> ssp. <i>whitfieldii</i>	30	0.3		30	0.3	
BO006.11	<i>Calytrix breviseta</i> subsp. <i>stipulosa</i>	30	0.1		30	0.1	
	<i>Calytrix leschenaultii</i>				40	0.1	
BO006.37a	<i>Calytrix sapphirina</i>				40	0.1	
	<i>Cassytha racemosa</i>				T	0.01	
BO006.41	<i>Cassytha</i> sp.				T	0.01	
BO006.37	<i>Caustis dioica</i>				50	0.01	
	<i>Chamaexeros serra</i>				30	0.01	
BO005.33	<i>Chamelaucium citratum</i> <i>palliciflorum</i>				40	0.1	
BO006.06	<i>Chloanthes coccinea</i>	30	0.5		60	1	
	<i>Conostylis petrophiloides</i>				10	0.01	
BO006.14	<i>Cryptandra nutans</i>	30	0.01		0	0	
BO006.16	<i>Dampiera lavandulacea</i>	10	0.01		10	0.01	
BO006.08	<i>Dampiera oligophylla</i>	30	0.3		30	0.5	
BO006.39	<i>Daviesia incrassata</i> subsp. <i>incrassata</i>				40	0.1	
	<i>Daviesia nudiflora</i>				50	0.1	
	<i>Drosera</i> sp.	T	0.01		T		0.01
BO006.35	<i>Dryandra cirsioides</i>				80	2	
	<i>Dryandra cirsioides</i>				40	0.5	
BO006.02	<i>Dryandra conferta</i>	50	3		50	3	
BO006.30	<i>Dryandra ferruginea</i> subsp. <i>ferruginea</i>	60	15		60	20	
BO003.09	<i>Eucalyptus macrocarpa</i>	150	0.5		150	0.5	
	<i>Glischrocaryon aureum</i>				40	0.1	
BO006.20	<i>Hakea gilbertii</i>	50	0.01		50	0.1	
	<i>Hakea incrassata</i>	60	0.5	0.5	60	0.5	0.5
	<i>Halgania integerrima</i>				30	0.01	
BO006.09	<i>Hibbertia exasperata</i>	20	1.5		20	2	
BO003.15	<i>Hibbertia polystachya</i> <i>rhodinospoda</i>				30	0.01	
BO006.04	<i>Isopogon buxifolius</i> var. <i>spathulatus</i>	60	6		60	6	
BO006.10	<i>Isopogon scabriusculus</i>	80	1		80	0.5	
BO006.01	<i>Isopogon teretifolius</i> <i>delato</i>	140	8		140		
BO001.06	<i>Laxmannia grandiflora</i> <i>omnifer</i>	15	0.3		15	0.3	
BO001.02	<i>Lepidobolus preissianus</i> <i>chaetoccephalus</i>	20	0.2		30	0.5	
BO006.13	<i>Logania tortuosa</i>	20	0.01		40	5	
BO006.12	<i>Lysinema ciliatum</i>	70	0.2		70	0.2	
BO006.32	<i>Melaleuca subtrigona</i>	40	1		40	3	
BO006.33	<i>Microcorys subcanescens</i>				20	0.5	
	<i>Neurachne alopecuroides</i>				25	0.5	
BO006.18	<i>Patersonia pygmaea</i> <i>juncus</i>	15	0.01		0	0	
BO006.07	<i>Persoonia striata</i>	30	0.2		30	0.2	
	<i>Petrophile brevifolia</i>				50	0.5	
	<i>Petrophile ericifolia</i>	60	8	2	60	8	2
BO006.31	<i>Petrophile</i> sp. <i>glauca</i>				160	15	2
BO004.09	<i>Poaceae</i> sp.	30	0.01		0	0	
	<i>Psammomoya choretroides</i>				40	0.1	
BO006.34	<i>Pultenaea</i> affin. <i>vestita</i>				30	0.1	
BO006.38	<i>Pultenaea neurocalyx</i>				30	0.1	
BO006.17	<i>Pultenaea verruculosa</i>	30	0.3		30	0.3	
BO006.19	<i>Schoenus hexandrus</i>	25	0.01		25	0.1	
BO001.14	<i>Verticordia chrysantha</i>	20	0.01		20	1	
	<i>Xanthorrhoea nana</i>	60	0.3		60	0.5	

Tall mixed heath

Petrophile
rigida
gordana
(JSP)Homandra
collina (JSP)(Beauf
disgreen -
red, 30x60
adj.
(aff. incana)Brachylonia
conobriLepidosperma
brunneum (fine)
(JSP)Drosera pulchella (JSP)
Baechea preissiana
Austrost. elegantDrosera subhirtella
Laxmann
paleacea

KL36

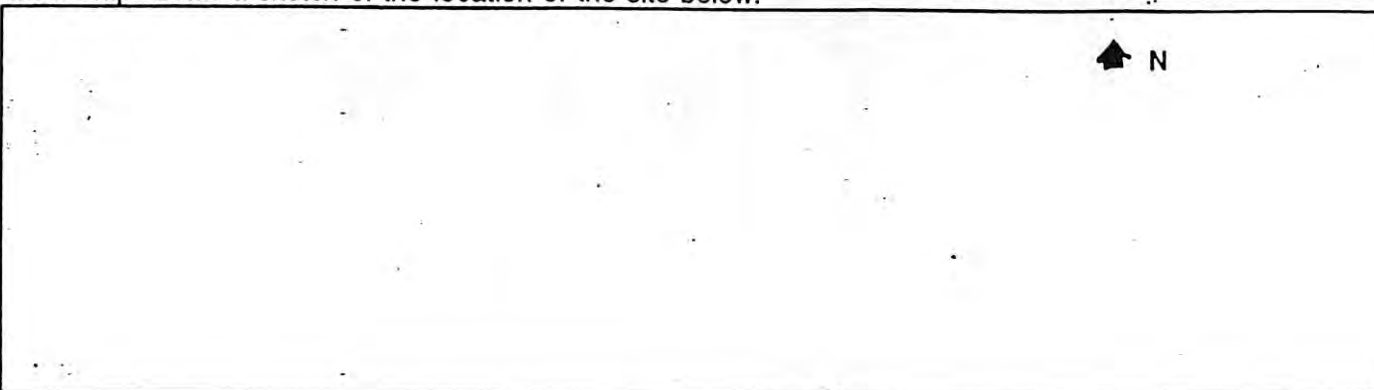
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling NR SITE NUMBER B00 07
 DATE TRIP 21-9-2000 RECORDERS NG/GK/WM
 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.

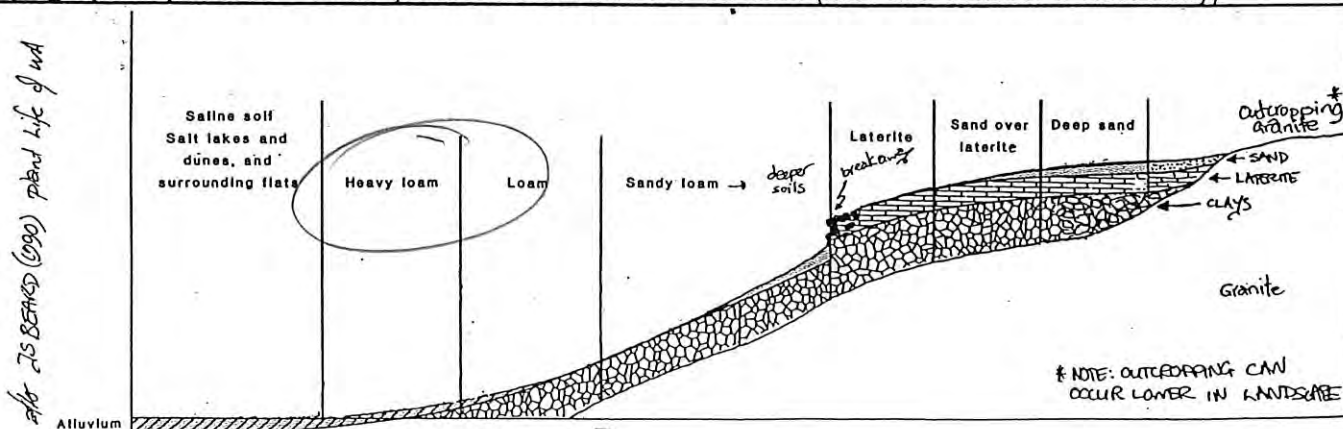


Road Location

Geographic Location Latitude 32° 6' 45.7" S Longitude 117° 45' 17.1" 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 very sand Colour cream
 Exposed rock type _____ % surface _____

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

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

Litter sg, twigs % cover 30/70 Bare Ground 30 % cover _____
 Depth 2-4 cm

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES							
SHRUBS						SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)	10-30-70				10-30		
DOMINANT SPECIES	Alloc. camp				Mpl. Hakea inc		
GRASSES		HERBS		SEDGES		under 0.5m	
				over 0.5m			
LIFE FORM						1m	
COVER CLASS (%)	2	10-30			10-30		
DOMINANT SPECIES		Borja spharo			Mesomyl - preiss Lepidob - chart		

4. VEGETATION CONDITION

Comments

excellent

Boo 07

KL36

BOOLANELLING RESERVE							
Site No.: 7		Date Assessed			Date Assessed		
H8: Tamma heath type 2		3/09/98			28/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	*Ursinia anthemoides				20		0.01
	*Vulpia bromoides				15		0.5
BO007.12	Agrostis avenacea				15		0.01
	Allocasuarina campestris	170	25	3	270	25	3
BO007.03	Astroloma pallidum	30	0.1		30	0.1	
	Austrodanthonia caespitosa				20	0.5	
BO007.04	Austrostipa elegantissima	40	2.5		40	5	
BO007.02	Baeckea crispiflora	120	0.6		120	6	
	Blennospora drummondii				5		0.01
BO001.10	Borya sphaerocephala	5	0.1		5	0.1	2
BO007.10	Brachyscome bellidoides				10	0.1	
BO007.06	Calothamnus affin. villosus	150	1		150	1	
	Chorizema aciculare				15	0.1	
	Cryptandra sp. (spiny)				40	0.1	
BO007.11	Daviesia articulata				40	0.1	
AS1.6	Dichopogon fimbriatus	5	1		20		0.1
	Drosera sp.		0.1		0		0
BO001.22	Gnephosis tenuissima				5	0.5	
	Hakea circumalata	160	2		160	5	
BO007.07	Hakea incrassata	70	1.5		70	1.5	
BO011.23	Hibbertia sp.				20	0.15	
BO001.02	Lepidobolus preissianus	30	12		30	15	
BO007.05	Lepidosperma (sp. ? viscid)	30	0.1		60	0.5	
BO001.21	Leucopogon tamminensis				50	0.5	
BO004.07	Lomandra effusa	30	0.4		0	0	
BO001.17	Melaleuca leptospermoides	50	2.5		50	2.5	
BO007.01	Melaleuca pentagona	40	4		40	5	
BO001.01	Mesomelaena preissii	40	6		40	10	
	Neurachne alopecuroidea	40	0.5		60	2	
BO006.07	Persoonia striata	50	0.2		0	0	
BO001.19	Stylidium dichotomum				15	0.05	
	Thysanotus patersonii				T		0.01
	Trachymene cyanopetala				15	0.5	
	Trachymene ornata				30		
BO001.14	Verticordia chrysantha	50	0.5		70	0.5	
	Verticordia picta				30	0.5	
	Waitzia nitida				15	0.1	
	Thelymitra canaliculata						
	Conostylis corymbosa						
	Conostylis setigera						
	Hypochaeris glabra						

chedr

dead coll.

check.

NO B/D
NAT B/D

*

check.

Chaemasall corymbosa

Elythranth brunon

Calytrix brachyphylla

Amphipogon strictus

Platysace effusa

Opuncularia vaginiflora

Acacia lasiocarpa var sedifolia

Chaemasilla spiralis

Hydrocotyle callicarpa

Laxmannia grandiflora

Harpera lateriflora

Philotus declinatus

Dr. Drosera macrantha

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Bodanelling NR SITE NUMBER B00 08
 DATE TRIP 21-9-2000 RECORDERS Nq/AK/WM
 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.



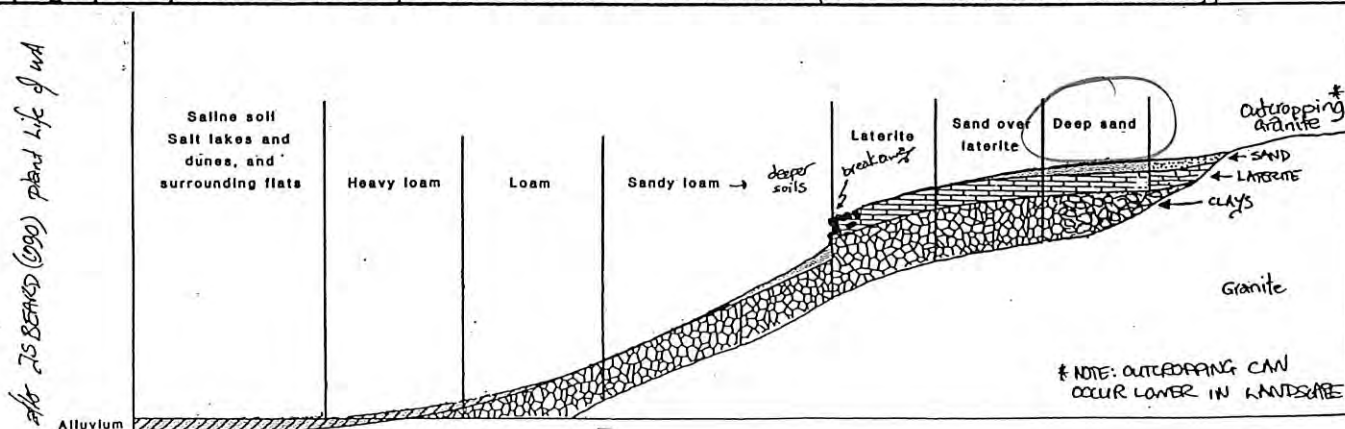
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____ $32^{\circ} 7' 13.4''$ $117^{\circ} 45' 47.0''$

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 _____ Colour _____
 Exposed rock type sand % surface orange-brown

Sub-surface Soil _____ Colour orange
 Rock type sand depth to rock > 1m

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

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

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

3. VEGETATION STRUCTURE AND COVER

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

		TREES			MALLEES	
		over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM						
COVER CLASS (%)						2-10
DOMINANT SPECIES						Euc. macroc.
		SHRUBS			SHRUBS	
		over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM				Mixed 		Mixed 
COVER CLASS (%)		2-10		30-70		10-30
DOMINANT SPECIES		Alloc. camp		Mul. lept Dryandra spp		Chamel. pauc
		GRASSES		HERBS	SEDGES	
					over 0.5m	under 0.5m
LIFE FORM						
COVER CLASS (%)		<2		10-30		30-20
DOMINANT SPECIES				Opac. rub		Mes. preiss

4. VEGETATION CONDITION

Comments

excellent

KL37

BOOLANELLING RESERVE								
Site No.: 8			Date Assessed			Date Assessed		
H3: Mixed heath with <i>Eucalyptus macrocarpa</i>			3/09/98			28/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
~~BO008.04~~	~~Actinobole uliginosa~~ <i>Genus sp. indet</i>	5	0.01					
	<i>Allocasuarina campestris</i>	210	4	0.5	210	4	0.5	✓
BO008.12	<i>Allocasuarina microstachya</i>	40	0.2		0	0		✓
	<i>Amphipogon amphipogonoides</i>	15	0.2		15	0.05		
	<i>Austrodanthonia caespitosa</i>				25	0.1		
	<i>Austrostipa elegantissima</i>				100	0.5		✓
BO008.02	<i>Banksia sphaerocarpa</i> var. <i>caesia</i>	110	2		110	5		✓
BO005.06	<i>Beaufortia micrantha</i>	30	1.5	0.3	30	3	0.5	✓
BO008.08	<i>Boronia coerulescens</i> subsp. <i>coerulescens</i>	20	0.01		20	0.01		✓
BO008.10	<i>Calytrix leschenaultii</i>	20	0.4		20	0.5		
BO005.33	<i>Chamelaucium ciliatum</i> <i>paucifl. pau</i>				40	0.1		✓
	<i>Comesperma scoparium</i>				30	0.1		✓
BO005.08	<i>Cryptandra leucopogon</i>	5	0.2	0.1	5	0.5		✓
BO005.18	<i>Dampiera oligophylla</i>	30	0.5		30	1		✓
	<i>Daviesia longifolia</i>				5		0.01	
	<i>Drosera</i> sp. <i>pulchella</i> (Vsp)				T	0.01		
BO008.01	<i>Dryandra cirsoides</i>	100	7.5		100	5		✓
	<i>Dryandra horrida</i>				110	7.5		✓
	<i>Eucalyptus macrocarpa</i>	200	1	0.5	200	1		✓
	<i>Gastrolobium spinosum</i>	230	1.5		250	1.5		✓
BO005.14	<i>Goodenia affinis</i>	20	0.6		20	0.5		✓
BO008.13	<i>Hakea incrassata</i>	45	1		45	1.5		✓
	<i>Halgania integerrima</i>				20	0.1		
	<i>Hibbertia ?verrucosa</i>				20	0.1		
BO005.15	<i>Hibbertia exasperata</i>	40	0.3		40	0.5		
BO005.01	<i>Laxmannia grandiflora</i>	15	0.05		15	0.05		✓
BO004.15	<i>Laxmannia squarrosa</i> <i>palacea</i>				5	0.01		
~~BO008.07~~	<i>Lepidobolus preissianus</i>	15	2		15	1		✓
	<i>Lepidosperma drummondii</i>				40	0.1		✓
	<i>Levenhookia pusilla</i>				5	0.01		
	<i>Levenhookia stipitata</i>				5	0.01		
~~BO005.07~~	<i>Melaleuca leptospermoides</i>	50	12	2	50	15	3	✓
BO005.02	<i>Mesomelaena preissii</i>	30	8		40	20		✓
BO008.06	<i>Millotia tenuifolia</i>	5	0.05		5	0.05		
	<i>Mirbelia spinosa</i>				30	0.5		✓
	<i>Neurachne alopecuroidea</i>	5	0.1		35	0.5		✓
BO008.03	<i>Opercularia vaginata</i> <i>rubridioides</i>	5	0.3		5	1		✓
BO008.09	<i>Persoonia coriacea</i>	45	0.8		45	1		✓
BO005.11	<i>Persoonia trinervis</i>	40	1		40	2		✓
	<i>Podotheca angustifolia</i>				5	0.01		
	<i>Psammomoya choretroides</i>				40	0.1		✓
BO005.31	<i>Pterochaeta paniculata</i>				5	0.5		✓
BO005.13	<i>Schoenus pleiostemoneus</i>	10	3		10	3		✓
~~BO008.05~~	<i>Schoenus</i> sp. <i>sterilo</i> (maybe <i>latitans</i>)	10	0.05		10	0.05		
	<i>Stylidium bulbiferum</i>				2	0.01		
BO005.04	<i>Stylidium calcaratum</i>	2	0.01		0	0		
	<i>Thysanotus patersonii</i>				T	0.01		
	<i>Verticordia chrysantha</i>	40	1		40	3		✓
BO008.11	<i>Verticordia</i> sp.	40	1		0	0		
	<i>Xanthorrhoea nana</i>	40	1		40	2.5		✓
	<i>Chamexeros fimb.</i>							
	<i>Chlaenoscladium gordonii</i>							
	<i>Conostylis</i> <i>asetting</i> <i>villosus</i> (Vsp)							
	<i>Drosera macra</i>							

dead
all

sterile
but
convert
rhyme

Cryptantha granitcola (Vsp)

KL38

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling NR SITE NUMBER B00 09
 DATE TRIP 21-9-2000 RECORDERS NG/GK/WM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



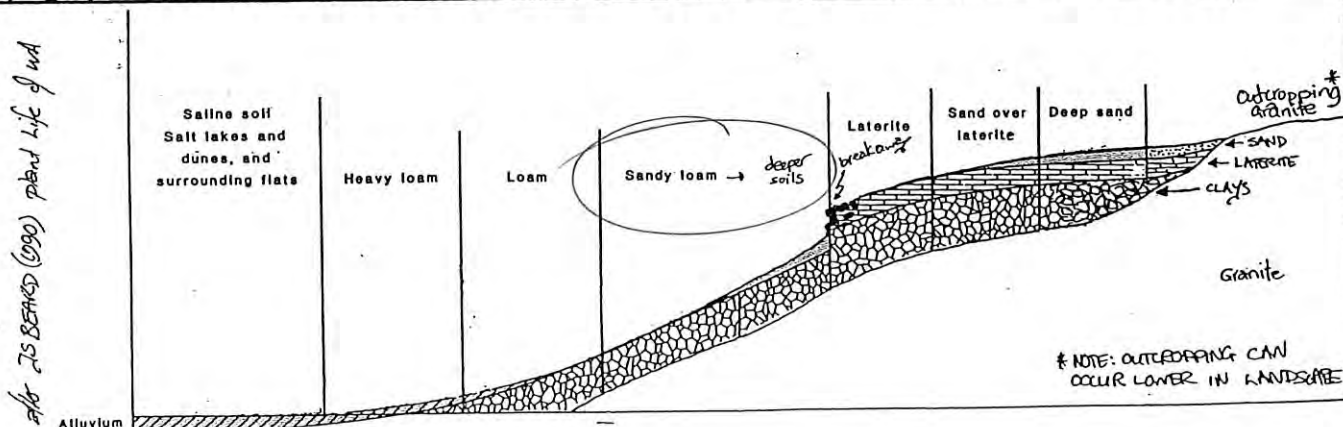
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____ 32° 7' 0.4" 117° 45' 28.8"

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 creamy
 Exposed rock type _____ % surface _____

Sub-surface Soil sand Colour green
 Rock type _____ depth to rock >1

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

Litter lvs, bark, stems % cover 30/70 Bare Ground 30 % cover _____
 Depth 2-10 cm

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%
TREES					
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)				30-70	
DOMINANT SPECIES				Eucalypt	
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)					2-10
DOMINANT SPECIES					Hakea tessoc
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2	<2			30-70
DOMINANT SPECIES	Neurachne al				Desmodi - asper Harperia latif

4. VEGETATION CONDITION

Comments

excellent

KL38

BOOLANELLING RESERVE							
Site No.: 9		Date Assessed			Date Assessed		
M4: Mallee type 4		3/09/98			28/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Aira caryophylla</i>				5		0.01
	* <i>Hypochaeris glabra</i>				15	0.01	✓
	* <i>Ursinia anthemoides</i>	15	1.5		15		4
	* <i>Vulpia bromoides</i> <i>myuros</i>				15		2
BO007.04	<i>Austrostipa elegantissima</i>	10	1.5		40	3	✓
	<i>Austrostipa trichophylla</i>				50	0.5	
	<i>Billardiera bicolor</i> var. <i>bicolor</i>				T	1	0.5
BO009.02	<i>Dampiera lavandulacea</i>	15	2		15	2	✓
BO009.04	<i>Daviesia pachyloma</i>	30	0.3		30	0.3	
BO004.02	<i>Desmocladius asper</i> ngs	20	15	2	20	40	✓
BO009.01	<i>Eucalyptus hypochlamydeia</i> subsp. <i>ecdysiastes</i>	600	5		600	5	✓
BO004.05a	<i>Euchiton sphaericus</i>	10	0.2		0	0	
BO009.03	<i>Hakea lissocarpa</i>	50	1.5		50	1.5	✓
BO009.06	<i>Harperia</i> sp. <i>laxiflora</i>				15	30	
BO006.04	<i>Isopogon buxifolius</i> var. <i>?spatulatus</i> (died)	120	3		120		3
	<i>Isotoma hypocrateriformis</i>				15	0.01	
	<i>Laxmannia grandiflora</i>				10	0.01	
BO001.02	<i>Lepidobolus preissianus</i>	20	3		2	5	✓
BO007.05	<i>Lepidosperma</i> sp.	25	1		0	0	
BO001.01	<i>Mesomelaena preissii</i>	30	0.5		30	1	✓
BO009.05	✓ <i>Millotia tenuifolia</i> var. <i>tenuifolia</i>	5	0.01		5		0.01
	<i>Neurachne alopecuroidea</i>	20	0.2		40	1	✓
	<i>Podothea angustifolia</i>				5		0.5
BO001.19	<i>Stylidium dichotomum</i>				5	0.01	✓
	✓ <i>Trachymene cyanopetala</i>				15	0.01	✓
	<i>Xanthorrhoea nana</i>	30	0.1		0	0	✓
	<i>Austrostipa pycnostachya</i>						
	<i>Avena barbata</i>						
	<i>Lobelia gibbosa</i>						

*crassula colorata**Calandrinia granulifera**Wahlenbergia gracilenta**Trachymene pilosa**Podolepis canescens**Thysanotus patersonii*

- same but different form

Eallorke

No SPECIMEN NOT ON DIS

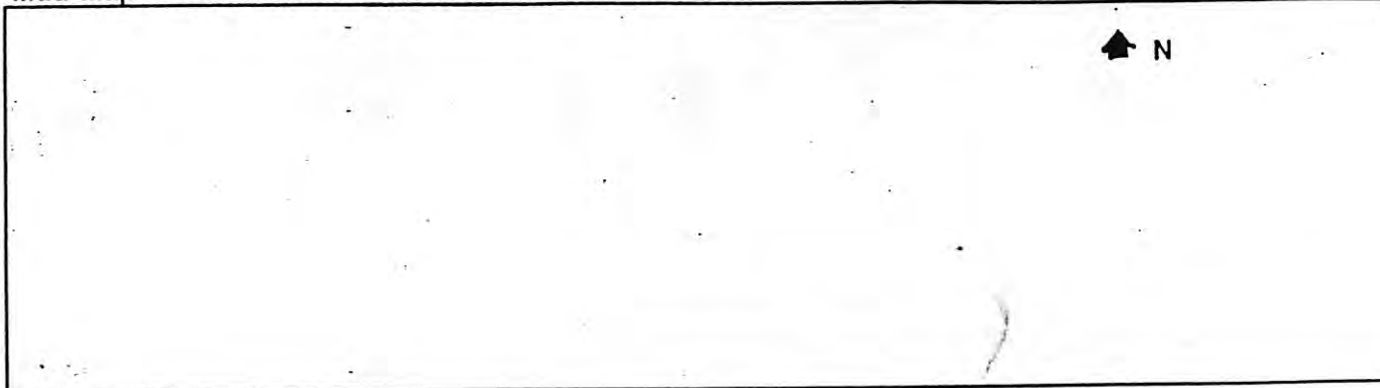
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling NR SITE NUMBER B00 10
 DATE TRIP 21-9-2000 RECORDERS NG/GK/WM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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

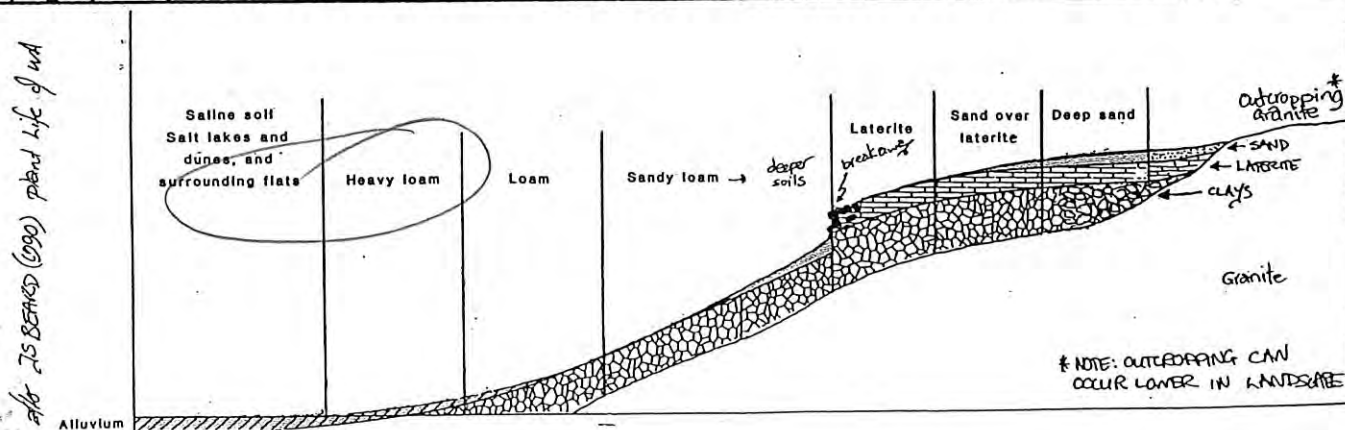


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____ 32° 7' 0.9" 117° 44' 56.3"

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 clayey clay Colour brown
 Exposed rock type _____ % surface _____
 Sub-surface Soil deep clay Colour brown
 Rock type _____ depth to rock _____
 Drainage well mod poor depth water cm Wet all year winter/spring
 Litter leaves, twigs, VS % cover 70-90 Bare Ground 30 % cover
 Depth 0-2-10 cm

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)				30-70			
DOMINANT SPECIES				Euc. rem Euc. calyco			
SHRUBS							
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)			2-10				
DOMINANT SPECIES			Phrb. filif				
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	2-10	2			2		
DOMINANT SPECIES	Austro. eleg Nerachne				Lepidosp		

4. VEGETATION CONDITION

Comments

excellent

KL39

BOOLANELLING RESERVE							
Site No.: 10		Date Assessed			Date Assessed		
M2: Mallee type 2		3/09/98			28/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
BO005.03a	<i>Amphipogon laguroides</i>	5	0.7		5	2	
	<i>Astroloma serratifolium</i>	10	0.05		0	0	
BO010.02	<i>Austrodanthonia caespitosa</i> <i>setacea</i>	15	0.1		15	0.5	
BO010.03	<i>Austrostipa elegantissima</i>	30	0.1		30	0.1	
	<i>Cryptandra</i> sp. (spiny)				10	0.1	
BO010.05	<i>Dodonaea</i> (amblyophylla) <i>viscosa</i> ssp <i>argentea</i> <i>viscosa</i>	90	0.7		90	1	
BO010.08	<i>Eucalyptus calycogona</i> <i>clasticoides</i>	400	8		400	4	
BO010.06	<i>Eucalyptus eremophila</i> <i>tenera</i> ssp <i>virens</i> <i>visc</i>	600	14		600	14	
BO010.09	<i>Eucalyptus flocktoniae</i> <i>flor.</i>	500	12		500	14	
	<i>Eucalyptus</i> sp.	800	1				
	<i>Lepidosperma drummondii</i>				30	0.5	
BO010.04	<i>Lepidosperma</i> sp.	15	0.5		15	0.5	
	<i>Lysiosepalum involucratum</i>				15	0.01	
	<i>Melaleuca uncinata</i>	90	1		90	1	
	<i>Neurachne alopecuroides</i>				5	1.5	
BO010.01	<i>Phebalium filifolium</i> <i>visp</i>	110	6		110	6	
	<i>Tetrahena laevis</i> <i>(Murdania)</i>	40	0.05		0	0	
	<i>Trachymene pilosa</i> <i>cyanopectala</i>	2	0.8		0	0	
	<i>Rhodanthe laevis</i>						
	<i>Arthropod capillip</i>						
	<i>Diuris</i> <i>(recusata)</i> <i>porifolia</i>						
	<i>Pteroclytus rufa</i> <i>sargentii</i>						

Rebbit
as mallee
but is
mallee
leaves as
floral fls

Lepidosperma ? *tenue* (coll)
" flat lvs (? *viscid*) off *Synandrium*
✓ *Lobelia* sp. (sterile) - bristles *(visc)*

All sm. barbed Mallee -
long budged smooth coppery bark.
shorter budged basal rough bark to lvs

20x20 same

KL40

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling SITE NUMBER B00 11
 DATE TRIP 21-9-2000 RECORDERS NG/KK/WM
 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.

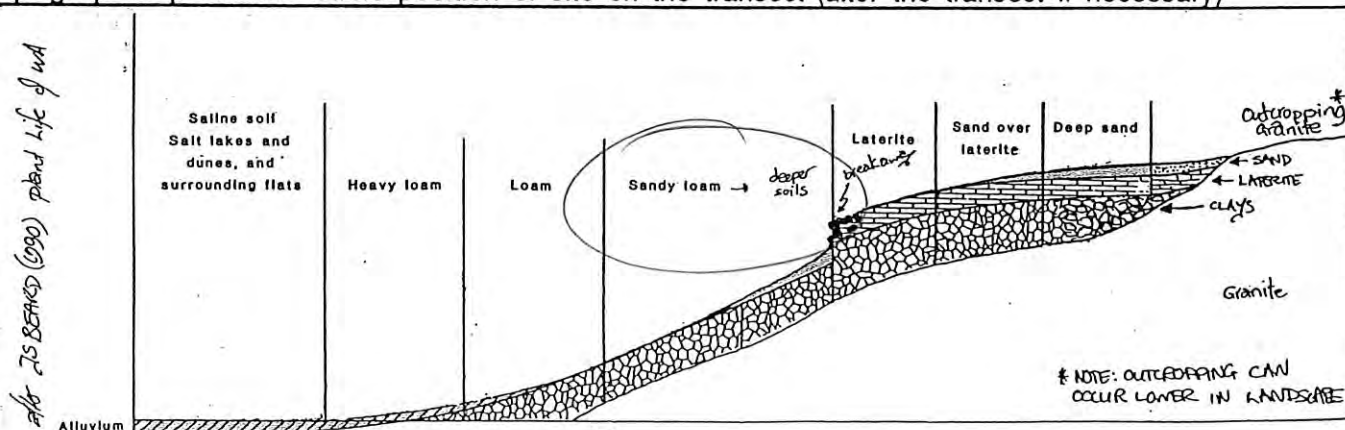


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____ 32° 6' 28.1" 117° 45' 05.1"

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 sand Colour cream
 Exposed rock type _____ % surface _____
 Sub-surface Soil sandy clay Colour cream
 Rock type _____ depth to rock _____
 Drainage well mod poor depth water cm Wet all year winter/spring
 Litter lvs, twigs % cover 10/30 Bare Ground 30 % cover
 Depth 12-5 cm

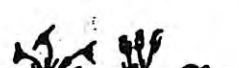
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

3. VEGETATION STRUCTURE AND COVER

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

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

	SHRUBS				SHRUBS
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					30-70
DOMINANT SPECIES					mixed

	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10-30	10-30			10-30
DOMINANT SPECIES	<i>Neurachne alop</i>	<i>Borja sph</i> <i>Opere var</i>			<i>Mesomel - priss</i> <i>Desmod asper</i> <i>Harperia lat</i>

4. VEGETATION CONDITION

Comments

excellent

KL40

BOOLANELLING RESERVE									
Site No.: 11			Date Assessed			Date Assessed			
H2: Low mixed heath			4/09/98			28/10/98			
Coll.No.	ID Name		Ht	% A	% D	Ht	% A	% D	
	* <i>Aira caryophyllea</i>					10		0.01	
	* <i>Hypochaeris glabra</i>		1	0.01		15	0.01		
	* <i>Ursinia anthemoides</i>		15	0.3		15	1		
	<i>Allocasuarina humilis</i>		100	4	0.3	100	4		
BO011.09	<i>Allocasuarina microstachya</i>		30	1	1.3	30	1	1.5	
	<i>Austrodanthonia caespitosa</i>					20	0.01		
BO007.04	<i>Austrostipa elegantissima</i>		20	0.3		20	1		
BO011.24	<i>Baeckea ?cryptandroides</i>		20	0.1		20			
BO011.30	<i>Baeckea crispiflora</i>					20	0.5		
BO011.32	<i>Beaufortia schaueri</i>		30	5	2	30	5	2	
	<i>Blennospora drummondii</i>					5		0.01	
BO001.10	<i>Borya sphaerocephala</i>		5	4		5		5	
BO006.05	<i>Calectasia grandiflora</i>		30	0.3		30	0.3		
BO011.07	<i>Calytrix breviseta</i> subsp. <i>stipulosa</i>		30	0.2		40	1		
BO011.15	<i>Caustis dioica</i>		30	0.8	0.8	30	1	1	
	<i>Centrolepis aristata</i>					5		0.01	
BO011.18	<i>Chamaescilla corymbosa</i> var. <i>latifolia</i>		15	0.01		25	0.01		
BO011.08	<i>Chorizema aciculare</i>		20	1.5	2	20	2		
BO011.17	<i>Conostylis petrophiloides</i>		5	0.01		5	0.01		
	<i>Crassula colorata</i>					5		0.01	
	<i>Crassula</i> sp.					5	0.01		
BO011.10	<i>Cryptandra leucopogon</i>		20	1		20	1		
BO006.14	<i>Cryptandra nutans</i>		20	0.3		20	0.3		
BO006.08	<i>Dampiera oligophylla</i>		30	0.5		30	0.5		
BO011.22	<i>Daviesia drummondii</i>		30	0.1		30	0.1		
BO002.15	<i>Desmocladius asper</i> ms					20	0.5		
BO011.05	<i>Desmocladius myriocladus</i> ms		30	1	3	20	0.5		
BO011.13	<i>Dodonaea pinifolia</i>		20	0.2		20	0.2		
	<i>Drosera</i> sp. <i>zonaria</i>		T	0.01		T		0.01	
BO011.12	<i>Dryandra cirsioides</i>		100	2		100	2	2	
BO011.01	<i>Hakea incrassata</i>		40	1.3		40	1.5		
BO011.20	<i>Hemigenia viscida</i>		30	0.2		30	0.2		
BO011.06	<i>Hibbertia pungens</i> <i>exasperata</i>		30	0.8		30	1		
BO011.23	<i>Hibbertia</i> sp. <i>polystachya</i>		20	0.4		20	0.5		
BO011.31	<i>Hydrocotyle callicarpa</i>					5	0.01		
BO001.06	<i>Laxmannia grandiflora</i> <i>palacina</i>		15	0.01		15	0.1		
BO011.02	<i>Lepidobolus preissianus</i>		30	3	7	30	8	3	
BO001.17	<i>Melaleuca leptospermoides</i>		40	2.7		40	3		
BO001.01	<i>Mesomelaena preissii</i>		50	4.5		50	5		
BO006.33	<i>Microcorys subcanescens</i>		40	1.5		40	0.1		
BO009.05	<i>Millotia tenuifolia</i> var. <i>tenuifolia</i>		2	0.01		0	0		
BO011.21	<i>Nemcia hookeri</i>		20	0.1		15	0.5		
	<i>Neurachne alopecuroidea</i>		30	0.4		30	0.5		
BO011.14	<i>Opercularia vaginata</i>		15	0.5		15	0.5		
BO006.07	<i>Persoonia striata</i>		30	0.6		30	0.6		
BO011.11	<i>Podotheca angustifolia</i>		10	0.05		20	1		
BO011.03	<i>Psammomoya choretroides</i>		30	1.4		30	1.5		
BO005.31	<i>Pterochaeta paniculata</i>					5	1		
BO011.16	<i>Schoenus hexandrus</i> vel of <i>brevisetis</i>		20	0.1		20	0.1		
BO011.19	<i>Stylidium petiolare</i>		5	0.01		0	0		
	<i>Stylidium (repens) no saculatum</i>					5	0.01		
	<i>Tetraria octandra</i>		40	0.01		0	0		
	<i>Trachymene cyanopetala</i>					10		1	
	<i>Trachymene ornata</i>					5	0.5		
	<i>Wahlenbergia gracilentia</i> <i>preissiana</i>					20		0.01	
	<i>Xanthorrhoea nana</i>		50	0.5		50	0.5		

Mikitzia sp.

Hyalospermum demissum

Drosera menziesii

Hibbertia rhadinopoda

Cassipha glabella

Wahlenbergia grac

Schoenus pleistom

Conostylis setigera
hyporella fimbBaeckea preissiana
chaem. spiralis
Gnaphosis tenuissHarperia laterif
Amphip turbidatus
Cristatella unguiculata

Elythr. brun

**
checkHepidosperma
brunneum

KL41

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling NR SITE NUMBER BOO 12
 DATE TRIP 21-9-2000 RECORDERS NG/GK/WM
 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.



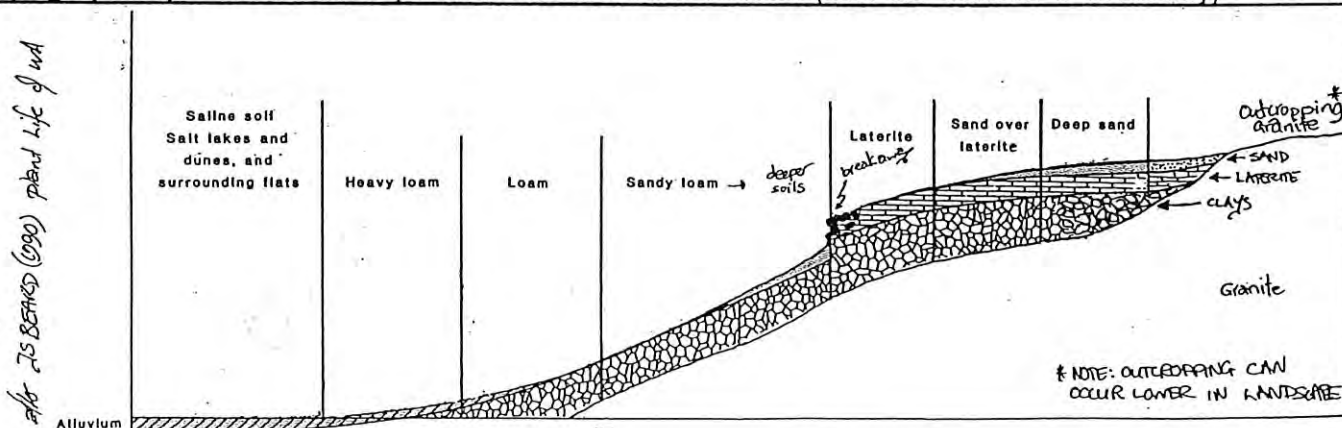
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map. 32° 6' 03.2" 117° 45' 12.4"

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

Surface Soil sandy clay Colour brown
 Exposed rock type scattered pebbles % surface _____

Sub-surface Soil clay Colour brown
 Rock type _____ depth to rock 2/m

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

Litter logs, twigs, bark % cover > 70 Bare Ground 30 %cover
 (Depth 2-10 cm)

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)	2				30-70		
DOMINANT SPECIES	<i>Euc. salm</i>				<i>Euc. calycog</i>		
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)					2		
DOMINANT SPECIES					<i>Ac. erinac</i>		
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	2	2					
DOMINANT SPECIES							

4. VEGETATION CONDITION

Comments

excellent

B0012

KL41

BOOLANELLING RESERVE							
Site No.: 12		Date Assessed			Date Assessed		
M1: Mallee type 1		4/09/98			28/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Aira caryophyllea</i>				10		0.01
	* <i>Arctotheca calendula</i>	1	0.01		0	0	
	* <i>Ursinia anthemoides</i>	10	0.01		5		0.01
BO012.05	<i>Acacia erinacea</i>	15	1.2		15	1.3	
BO012.07	<i>Austrodanthonia caespitosa</i> ~~setacea~~	15	0.01		35	0.05	
BO012.06	<i>Austrostipa elegantissima</i>	20	0.1		20	0.5	
BO012.09	<i>Calotis hispidula</i>	5	0.01		5		0.01
	✓ <i>Crassula colorata</i>				10		0.01
	<i>Crassula</i> sp.				5		0.01
AS1.6	<i>Dichopogon fimbriatus</i>	20	0.01		20		0.01
BO012.01	<i>Eucalyptus ealyogona</i> (check) ✓	800	23	2	800	24	
	<i>Eucalyptus salmonophloia</i>	1000	2		1000	1.5	
BO012.04	<i>Grevillea huegelii</i>	90	1.2		90	1.5	
BO012.08	<i>Rhodanthe laevis</i>	5	0.01		5		0.01
	<i>Trachymene cyanopetala</i>				15		0.4

✓ *Cotula bipinnata**Crassula peduncularis pedicellulosa*✓ *Euc. ~~eremophita~~ terep* (smth. barked brown - 5m
Pentastichis airoid - lvs green - dull)*Crassula peduncularis*

20x20 :

✓ Mallee, stripped grey bark - no stocking
(*E. phenax*) - lvs glossy green

✓ Mallee - silvery grey bark, 8m

✓ *E. cylindrocarpa* (bushy)

KL42

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolarnefling NR SITE NUMBER BOO 13
 DATE TRIP 21-9-2000 RECORDERS NG/GK/WM
 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.



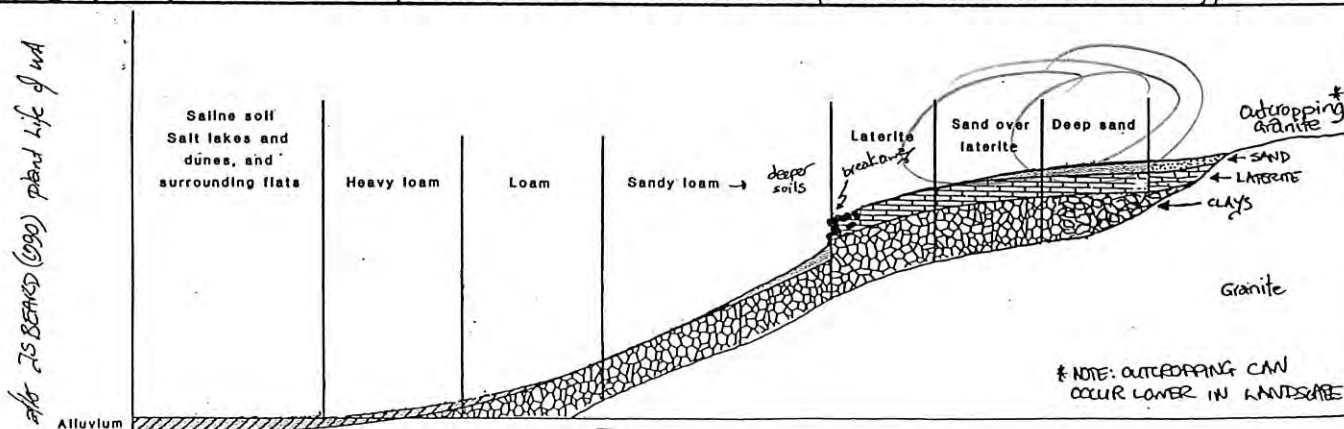
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____ 32° 6' 13.3" 117° 44' 56.3"

Photograph Photographer's Name NG Photo No 05

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 brown
Exposed rock type lateritic pebbles % surface _____

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

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

Litter twigs, lvs % cover 30/70 **Bare Ground** 50 %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						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)						2-10	
DOMINANT SPECIES						Euc. hypoch	Euc. macro

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	30-70				10-30
DOMINANT SPECIES	Leptos. rub				Hibb. rost
	Alloc. camp				Vertic chrys
	Itakea scoparia				

GRASSES		HERBS		SEDGES	
	over 0.5m		over 0.5m		under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10	L2			30-70
DOMINANT SPECIES	Nerachne alopec	Conostyl. arg			Lepidob chaet

4. VEGETATION CONDITION

Comments

excellent

BOOLANELLING RESERVE							B0013		
Site No.: 13		Date Assessed			Date Assessed				
H1: <i>Melaleuca</i> heath		4/09/98			28/10/98				
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D		
	<i>Allocasuarina campestris</i>	200	5		200	5			
BO013.03	<i>Beaufortia micrantha</i> var. <i>puberula</i>	120	6	3	120	6			
BO013.04	<i>Brachyloma concolor</i>	100	3		100	3			
BO008.10	<i>Calytrix leschenaultii</i>	20	0.2		20	0.2			
BO006.41	<i>Cassylia</i> sp.				T	0.01			
BO005.09	<i>Comesperma scoparium</i>	60	0.8		100	2	0.3		
BO013.13	<i>Conostylis petrophiloides</i>	10	0.2		15	0.2			
	<i>Crassula</i> sp.				5		0.0		
~~BO013.12~~	<i>Desmocladus myriocladus</i> ~~ms~~	20	0.3		25	0.5			
	<i>Drosera</i> sp. <i>macrantha</i>	T	0.05		T		0.0		
BO006.35	<i>Dryandra cirsioides</i>	80	1		80	1			
~~BO013.01~~	<i>Eucalyptus hypochlamydeia</i> subsp. <i>ecdysiastes</i>	450	1		450	1			
	<i>Eucalyptus macrocarpa</i>	200	4.5		250	5			
	<i>Gastrolobium spinosum</i>	120	1		120	1			
BO013.07	<i>Goodenia pinifolia</i>	60	0.5		70	1			
~~BO013.15~~	<i>Grevillea petrophiloides</i> <i>sp petrophiloides</i>	180	0.8		180	1			
BO013.06	<i>Hakea scoparia</i>	180	8	2	220	10			
BO005.15	<i>Hibbertia exasperata</i>	30	2.5		30	4			
	<i>Hybanthus floribundus</i>				30	0.01			
BO013.14	<i>Lepidobolus chaetocephalus</i>	30	1	0.2	30	1			
BO007.05	<i>Lepidosperma</i> sp. <i>resinos/viscid</i>	40	0.6		40	1			
BO005.13a	<i>Lepidosperma</i> sp. K	10	0.3		10	0.5			
~~BO013.09~~	<i>Lepidosperma tenue</i>	50	0.2		60	0.5			
BO013.02	<i>Leptospermum erubescens</i>	200	7		200	7			
	<i>Lysinema ciliatum</i>	40	0.2		0	0			
	<i>Melaleuca cordata</i>	30	0.3		30	0.5			
BO013.05	<i>Melaleuca subulifolia</i> <i>aff spatulata (Roe)</i>	150	3		200	3			
✓	<i>Melaleuca uncinata</i>	180	0.5		180	0.5	0.5		
	<i>Neurachne alopecuroidea</i>				5	0.5			
BO013.11	<i>Patersonia juncea</i> <i>drummondii</i>	15	0.1		15	0.1			
BO013.08	<i>Persoonia striata</i>	40	0.5		40	0.5			
	<i>Petrophile squamata</i>	40		0.5	40		0.5		
~~BO013.10~~	<i>Phebalium filifolium</i> <i>sp</i>	100	0.5		0	0			
BO005.23	<i>Psammomoya choretroides</i>	40	0.2		0	0			
BO001.14	<i>Verticordia chrysantha</i>	30	0.3		30	1			
	<i>Drosera</i>								

Conostylis argentea ✓
 // *Schoenus hexandrus* (VSP)
Thysanotus patersonii
Rhodanthe laevis

KL43

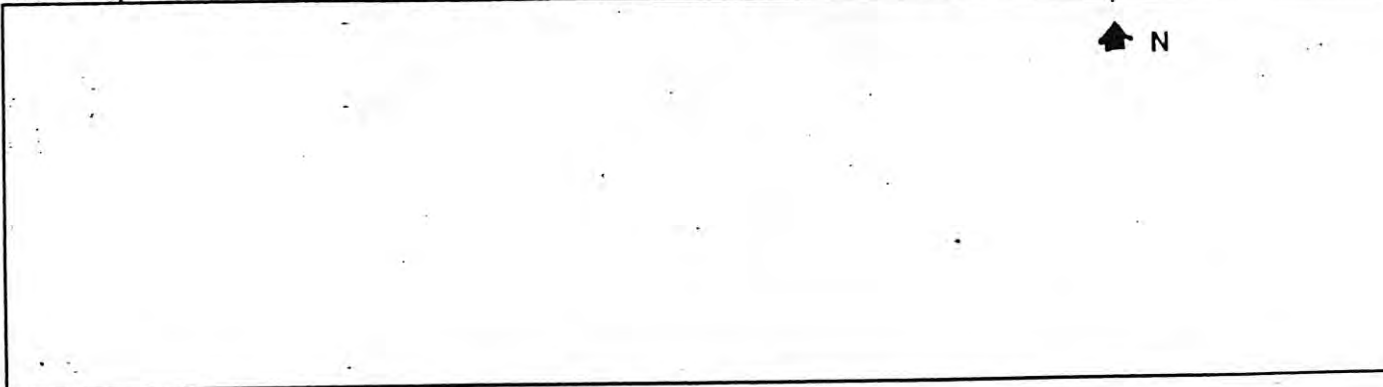
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling NR SITE NUMBER BOO 14
 DATE TRIP 21-9-2006 RECORDERS NG/9K/WM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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

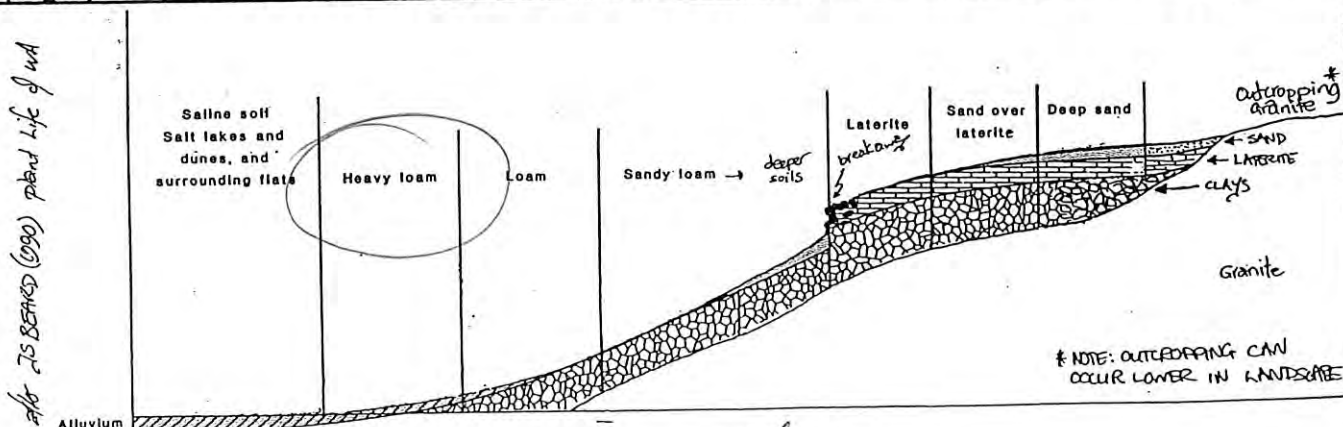


Road Location

Geographic Location Latitude 32°6'10.8" S Longitude 117°45'17.2" E Altitude _____
 Reference Map _____

Photograph Photographer's Name NG Photo No 04

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 a clay Colour pale 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 vs, bark, logs % cover >90 Bare Ground <10 %cover
 Depth 20-30 cm

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)		30-70					
DOMINANT SPECIES		Euc. wandoo					
SHRUBS						SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)							
DOMINANT SPECIES					2-10 Acac. erinac		
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	< 2	< 2					
DOMINANT SPECIES							

4. VEGETATION CONDITION

Comments

cut over > 40 yrs
bush > 40 yrs

B0014 KL43

BOOLANELLING RESERVE								
Site No.: 14			Date Assessed			Date Assessed		
W4: Mixed woodland			4/09/98			28/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
~~B0014.04~~	~~*Hainardia cylindrica~~ <i>Parapholis incurva</i>	20	0.15		20		0.05	
	~~*Hypochaeris glabra~~	1	0.01		0	0		✓
B0014.01	<i>Acacia erinacea</i>	20	2.5		20	3		✓
B0014.02	<i>Acacia flavipila</i> var. <i>ovalis</i>	60	0.6		60	0.5		✓
B0014.03	<i>Daviesia incrassata</i>	15	0.1		15	0.1		✓
B0002.01	<i>Dodonaea bursariifolia</i>	20	0.2		20	0.2		✓
~~B0014.04~~	~~<i>Eucalyptus dissimulata</i>~~ <i>salmonophloia</i>	800	10		800	10		
	<i>Eucalyptus wandoo</i>	1200	30		1200	30		
B0008.06	<i>Millotia tenuifolia</i>	5	0.05		5		0.05	
	<i>Trachymene cyanopetala</i>	5	0.3		5		0.5	
	<i>Thysanotus patersonii</i>							
	<i>Austrostipa elegant</i>							
	<i>Austrodanthonia caesp</i>							
	<i>Lomandra effusa</i>							

not in
to sp.

KL44

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling NR SITE NUMBER B00 15
 DATE TRIP 22-9-2000 RECORDERS NG/GK/WM
 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.

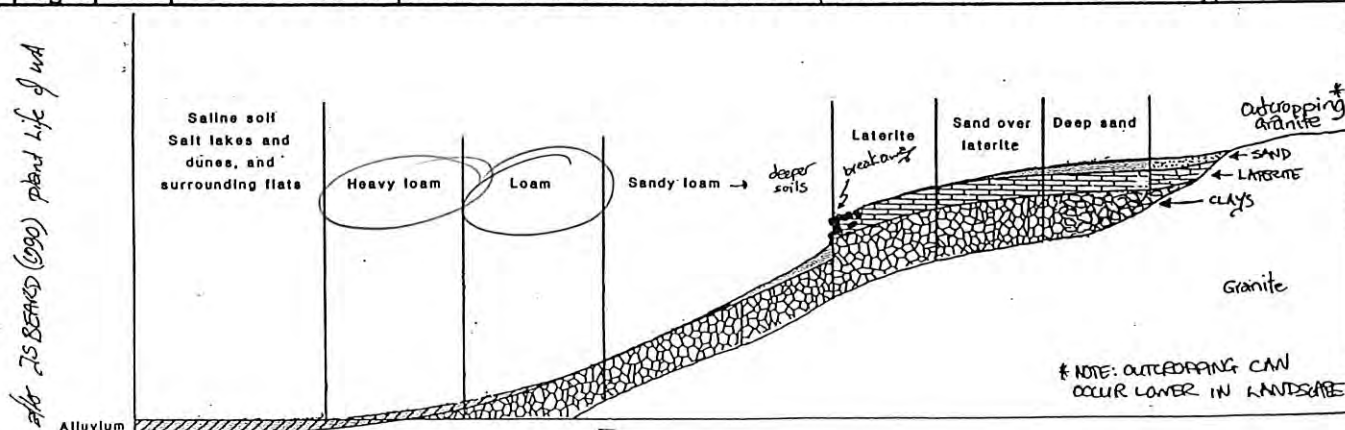


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____ 32° 6' 50.3" 117° 46' 33.3"

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 clay Colour orange-brown
 Exposed rock type _____ % surface _____
 Sub-surface Soil deep clay Colour brown
 Rock type _____ depth to rock > 1m
 Drainage well mod poor depth water cm Wet all year winter/spring
 Litter both fungi, VS % cover 30/70 Bare Ground 30/50 % cover
 Depth 2-10 cm

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)	10-30		2-10				
DOMINANT SPECIES	Euc. salmon		Euc. wandoo				
SHRUBS						SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)			10-30		2-10		
DOMINANT SPECIES			Olearia axillaris		Grevillia hney		
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	< 2	2-10					
DOMINANT SPECIES		Lom. gfrua					

4. VEGETATION CONDITION

Comments

excellent

KL44

22-9-00

BOOLANELLING RESERVE							
Site No.: 15		Date Assessed			Date Assessed		
W5: <i>Eucalyptus astringens</i> woodland		4/09/98			28/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	<i>*Aira caryophylla</i>				5	0.01	✓
BO015.04	<i>Acacia lasiocarpa</i> var. <i>sedifolia</i>	30	0.01		0	0	✓
BO015.07	<i>Austrodanthonia caespitosa</i>	5	0.05		15	0.01	0.01 ✓
	<i>Austrostipa elegantissima</i>				40	0.1	✓
BO015.05	<i>Bossiaea eriocarpa</i>	10	0.01		10	0.01	✓
BO002.15	<i>Desmocladius asper</i> ms				15	0.01	
BO015.02	<i>Dodonaea bursariifolia</i>	50	1.2		50	1.5	✓
BO015.10	<i>Eucalyptus salmonophloia</i>	2000	20		2000	20	✓
	<i>Eucalyptus wandoo</i>	1200	4		1200	5	✓
BO015.09	<i>Grevillea huegelii</i> <i>glauca</i> form (VSP)	25	3		25	3	✓
BO015.03	<i>Lomandra effusa</i>	20	1.7		25	2	0.5 ✓
	<i>Neurachne alopecuroidea</i> ~~###~~				5	0.5	✓
~~BO015.01~~	<i>Olearia dampieri</i> subsp. <i>eremicola</i>	60	6	1	60	10	1 ✓
BO011.11	<i>Podotheca angustifolia</i>	5	0.5		0	0	
BO015.08	<i>Schoenus ?pleistomoneus</i>	5	0.05		5	0.05	
BO015.06	<i>Westringia rigida</i>	10	0.01		10	0.01	✓

2 forms collected
+ 1000m

✓ *Helichrysum leucopsidum*
Thelymitra pauciflora
Dichopogon fimbriatus
Vulpia myuros
Ursinia anthem
Calandrinia eremaea

KL45

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling NR SITE NUMBER B00 16
 DATE TRIP 22-9-2000 RECORDERS NG/gk/nm
 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.

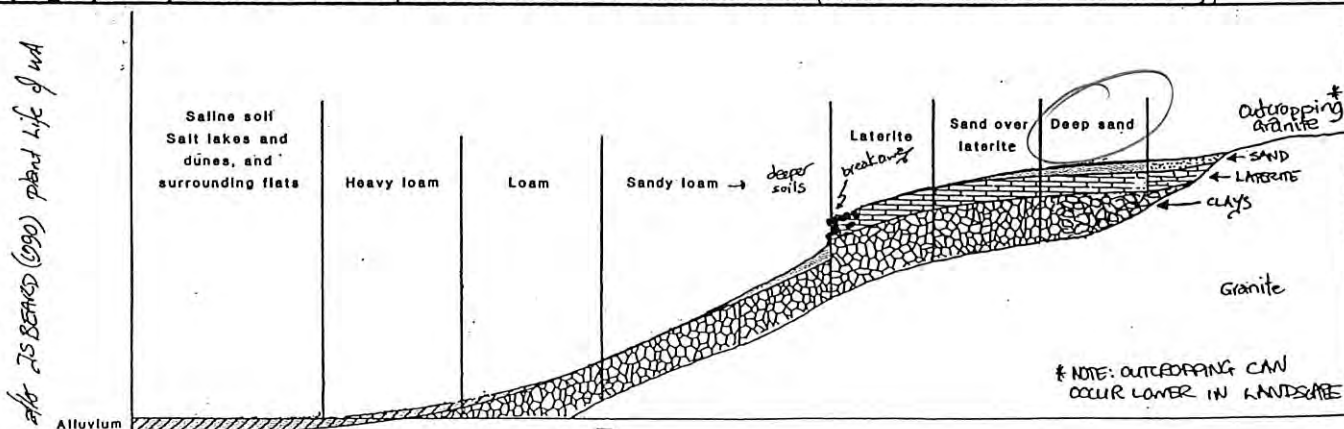


Road Location

Geographic Location Latitude 32° 6' 29.2" S Longitude 117° 47' 51.2" E Altitude 08
 Reference Map _____

Photograph Photographer's Name NG Photo No OK

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 cream
 Exposed rock type _____ % surface _____

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

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

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

3. VEGETATION STRUCTURE AND COVER

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

4. VEGETATION CONDITION

Comments

excellent

KL45

BOOLANELLING RESERVE							
Site No.: 16		Date Assessed			Date Assessed		
H6: Eremaea pauciflora and Leptospermum erubescens heath		4/09/98			28/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	*Aira caryophyllea				10		0.1
	*Hypochaeris glabra	5	2		5		2
	*Parentucellia latifolia				5		0.01
	*Ursinia anthemoides	15	2		35		3
BO016.06	Acacia lasiocarpa var. sedifolia	60	1.8		60	2	
BO016.01	Allocasuarina huegeliana	300	3.5	1.5	300	3.5	1.5
BO011.09	Allocasuarina microstachya	30	0.6		30	0.5	
	Austrodanthonia caespitosa				30	0.01	
	Austrostipa elegantissima				120	1	
	Austrostipa trichophylla				50	0.1	
	Blennospora drummondii				5	0.01	
BO016.08	Boronia ramosa	10	0.01		20	0.01	
	Caesia micrantha <i>algerdii</i>				40	0.01	
	Caladenia flava	10	0.1		10	0.1	
BO016.05	Calothamnus quadrifidus	150	5.5	2.5	130	4	
BO011.07	Calytrix breviseta subsp. stipulosa	40	0.2		40	0.5	
BO011.15	Caustis dioica	30	2.5	1	30	3	1
	Comesperma scoparium				50	0.05	0.05
BO006.08	Dampiera oligophylla	40	0.01		40	0.01	
	Daucus glochidiatus	5	0.2		0	0	
BO016.09	Daviesia nudiflora	50	0.3		50	0.5	
AS1.6	Dichopogon fimbriatus	15	0.5		45		0.5
BO003.08	Drosera platystigma	1	0.4		0	0	
	Drosera sp. <i>zonaria</i>	T	0.01		T		0.01
BO016.02	Eremaea pauciflora	90	13.5	2	100	15	2
BO011.01	Hakea incrassata	40	0.8	0.1	40	1	
BO016.04	Hakea lissocarpa	50	2.3		50	2.5	
BO011.02	Lepidobolus preissianus	20	0.5		20	0.5	
BO016.10	Lepidosperma ~~leptostachyum~~ <i>costale</i>	20	0.1		30	0.1	
BO016.03	Leptospermum erubescens	160	3.5		160	4	
	Liliaceae sp.	15	0.01		0	0	
BO001.17	Melaleuca leptospermoides	40	1.9		40	3	
	Mesomelaena preissii	40	0.8		40	1	
BO009.05	Millotia tenuifolia	5	0.01		5		0.01
BO016.20	Nemcia hookeri				35	0.05	
	Neurachne alopecuroidea	10	0.1		30	0.5	
	Opercularia vaginata				15	0.01	
	Orchidaceae sp.	25	0.01		0	0	
BO011.11	Podotheca angustifolia	5	2		5		2
BO016.21	Schoenus ~~lanatus~~ <i>vel ff breviseta</i>				20	0.05	
BO016.07	Stenanthemum stipulosum	10	0.01		15	0.01	
	Stylidium repens				5	0.01	
	Thysanotus patersonii				T		0.01
	Trachymene pilosa				10	2	0.05
	Waitzia acuminata				35	15	
	Arctotheca cal						
	Brachycome ibertolin						
	Wahlenb ~~grae~~ <i>preissii</i>						
	Leporella fimbriata						

26-9-00

Agrostocrinum scabrum

Caladenia integra (usp)

Chaemasc spiralis

Conostylis villosus (usp)

Calandrinia eremaea

Rhodanthe laevis

Lomandra ? suaveol

KL46

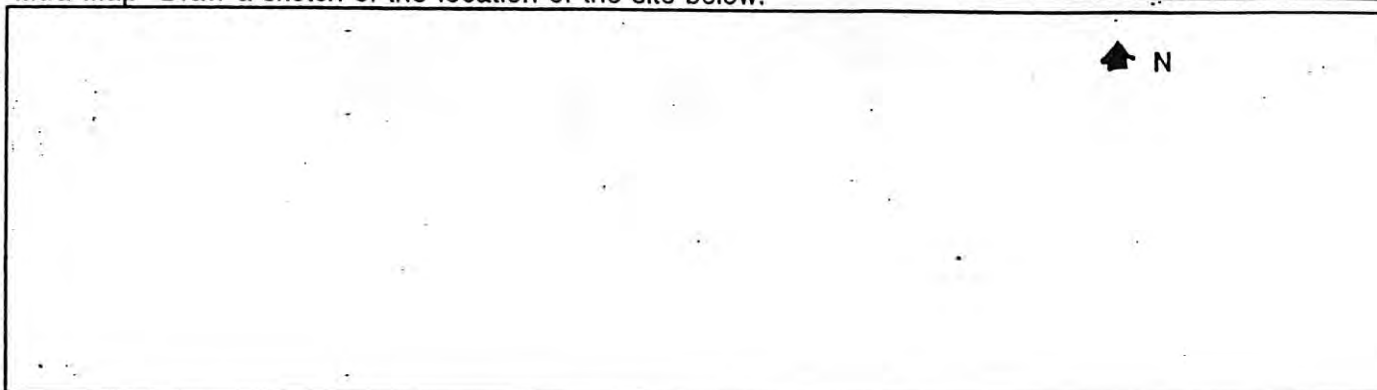
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolan-elling NR SITE NUMBER BOO 17
 DATE TRIP 22-9-2000 RECORDERS Ng/gk/WM
 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.

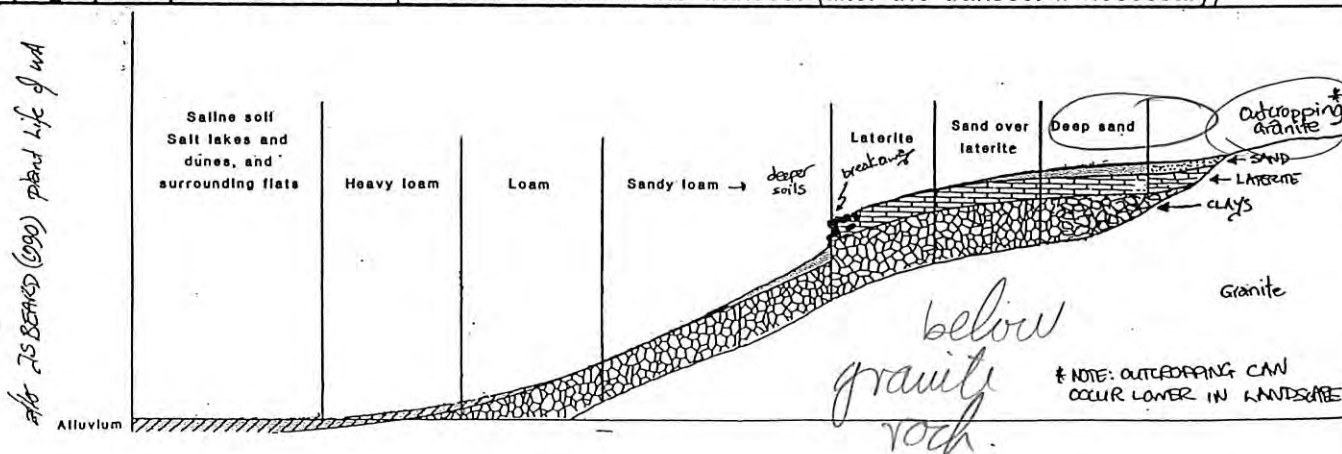


Road Location

Geographic Location Latitude 32° 7' 04.8" S Longitude 117° 46' 11.2" 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 gully/sandy clay **Colour** brown
Exposed rock type _____ % surface _____

Sub-surface Soil sandy clay **Colour** brown
Rock type _____ depth to rock > 60cm

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

Litter +wigs, stems, VS % 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%
-------------	-------	--------	----------	----------

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

SHRUBS				SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m	
LIFE FORM						2m 1m
COVER CLASS (%)	30-70			2-10		
DOMINANT SPECIES	<i>Alloc. camp</i> <i>Leptos. rub</i>			<i>Ag. rol. seraf</i>		

GRASSES		HERBS	SEDGES	SEDGES		
				over 0.5m	under 0.5m	
LIFE FORM						1m
COVER CLASS (%)	2-10-30	30-70			10-30	
DOMINANT SPECIES	<i>Vulpia myuros</i> <i>Neracine alo</i>	<i>Borja sphaeroc</i>			<i>Lepidob chartac</i>	

4. VEGETATION CONDITION

Comments

excellent - very good
heavy rabbit grazing

22-9-00

KL 46

BOOLANELLING RESERVE							
Site No.: 17				Date Assessed		Date Assessed	
T2: Tamma thicket type 2				4/09/98		28/10/98	
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Aira caryophyllea</i>				10		5
	* <i>Arctotheca calendula</i>	10	0.5		0	0	✓
	* <i>Hypochaeris glabra</i>	3	0.4		3	1	✓
	* <i>Ursinia anthemoides</i>				30	0.5	✓
	* <i>Vulpia bromoides</i> <i>myuros</i>				40	15	✓
BO007.12	<i>Agrostis avenacea</i>				15		0.01
BO017.02	<i>Allocasuarina campestris</i>	350	35		350	40	✓
	<i>Astroloma serratifolium</i>	100	2.5		100	3	✓
	<i>Austrodanthonia caespitosa</i>				35	0.1	✓
	<i>Austrostipa elegantissima</i>				100	0.5	✓
BO017.08	<i>Austrostipa tenuifolia</i>				30	1	✓
BO017.04	<i>Baeckea crispiflora</i>	30	0.2		30	0.5	✓
	<i>Blennospora drummondii</i>				5		0.01
BO017.03	<i>Borya sphaerocephala</i>	3	15		3	15	✓
BO017.05	<i>Calothamnus quadrifidus</i>	150	3		150	5	✓
	<i>Calytrix leschenaultii</i>				40	0.1	✓
	<i>Ceratogyne obionoides</i>				2	0.01	✓
BO002.06a	<i>Chamaescilla spiralis</i>	10	0.3		30	0.5	✓
	<i>Dichopogon</i> sp.				40	1	✓
	<i>Drosera</i> sp.	T	0.01		T		0.01
	<i>Goodenia berardiana</i>				10	0.01	✓
	<i>Hakea circumalata</i>	50	0.2		50	0.2	✓
BO013.06	<i>Hakea scoparia</i>	250	2		250	2	✓
	<i>Lepidobolus chaetocephalus</i>				25	0.01	✓
BO017.01	<i>Leptospermum erubescens</i>	350	25		350	25	✓
	<i>Levenhookia pusilla</i>				2	0.01	✓
	<i>Levenhookia stipitata</i>				5	0.01	✓
BO013.05	<i>Melaleuca subtrigona</i> (off. spath) (glabrous)	80	1		80	1	✓
	<i>Neurachne alopecuroides</i>	3	0.2		3	2	✓
	Poaceae sp.	10	5		0	0	✓
	<i>Podolepis auriculata</i>				15		0.01
✗	<i>Pterostylis</i> sp. <i>sanguinea</i>				15		0.01
	<i>Thelymitra</i> sp.				40	0.01	✓
	<i>Thysanotus patersonii</i>				T	0.01	✓
	<i>Trachymene ornata</i>				15	1	✓
	<i>Trachymene pilosa</i>	3	0.05		15	2	✓
	<i>Wahlenbergia gracilenta</i>				15	0.01	✓
	<i>Trachymene cyanop</i>						
	<i>Artropod capillipes</i>						
	<i>Caladenia flava</i>						
	<i>Drosera glanduligera</i>						
	<i>Hydrocotyle callicarpa</i>						

Centrolepis pilosa
Stypandra glauca
Crassula pedunc
Phyllang paradox
Eriochilus dilatat
Stachhouisia monog
Centrolep drum cristata
Drosera macrantha

Chaemasc carymb var latif
Caesca alfordii
Wahlenb gracil
Rhodanthe laevis
Amphipigon strictus
Crassula color

KL47

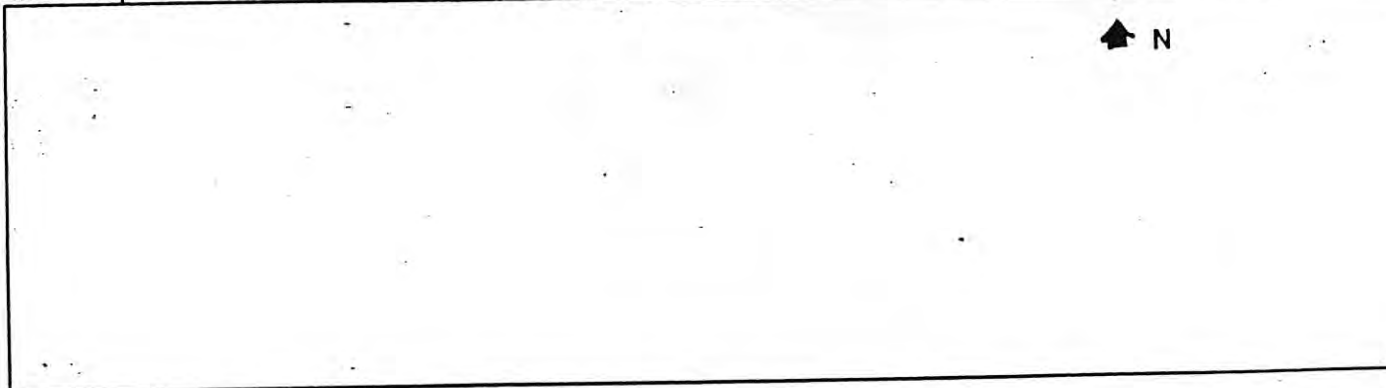
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolaranelling NR SITE NUMBER B00 18
 DATE TRIP 22-9-2000 RECORDERS Ng/gk / WM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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

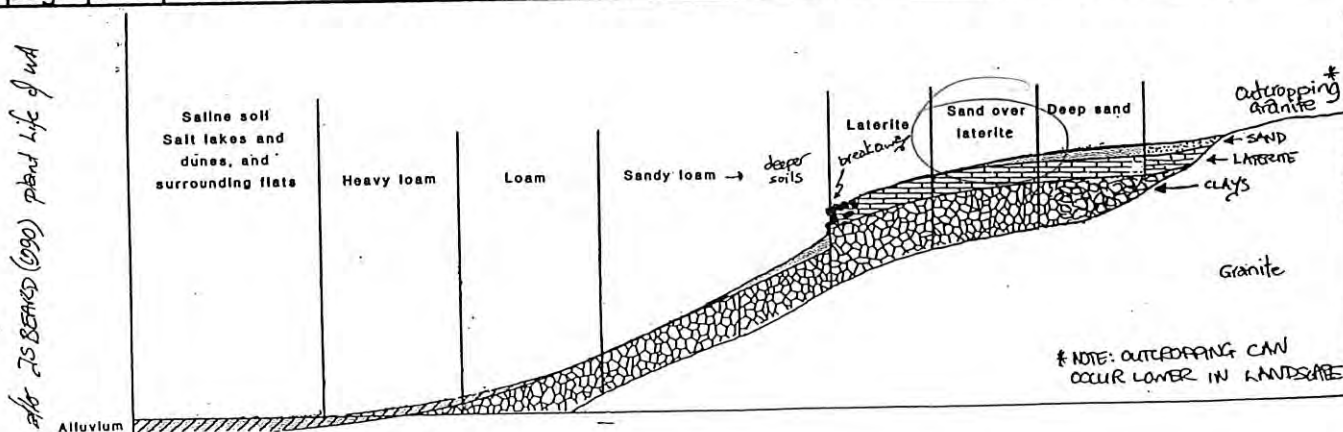


Road Location

Geographic Location Latitude 32°6'38.9" S Longitude 117°47'09.4" 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.

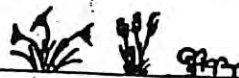
Slope	☒ flat	☐ gentle	☐ steep	Aspect	☐ N	☐ NE	☐ E	☐ SE	☐ S	☐ SW	☐ W	☐ NW
Surface Soil	clay								Colour	brown		
Exposed rock	type	lateritic pebbles						% surface				
Sub-surface Soil	lateritic clay								Colour	brown		
Rock	type	laterite						depth to rock				
Drainage	☒ well	☐ mod	☐ poor	depth water	cm	Wet	all year		winter/spring			
Litter	vs, bark, twigs		% cover	70-90		Bare Ground	30/50		% cover			
	Depth	2-10		cm								

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)						30-70	
DOMINANT SPECIES						<i>Euc. calycog</i> <i>Euc. phendax</i>	
SHRUBS						SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)			2-10				
DOMINANT SPECIES			<i>Trym. ledif</i>				
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	L2	L2					
DOMINANT SPECIES		<i>Lom. effusa</i>					

4. VEGETATION CONDITION

Comments

excellent

BOOLANELLING RESERVE							
Site No.: 18		Date Assessed			Date Assessed		
M3: Mallee type 3		4/09/98			30/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Bromus rubens</i>				10		0.01
	* <i>Hypochaeris glabra</i>	5	0.3		0	0	
	* <i>Ursinia anthemoides</i>	15	0.05		20		0.05
	* <i>Vulpia bromoides</i> <i>myuros</i>				25		0.5
	<i>Acacia erinacea</i>				20		0.5
	<i>Actinobole uliginosa</i>				3		0.01
BO018.08	<i>Allocasuarina campestris</i>	140	0.3		140	0.5	
	<i>Austrodanthonia caespitosa</i>				25		0.1
BO017.08	<i>Austrostipa tenuifolia</i>				35	0.5	
BO018.03	<i>Dodonaea bursariifolia</i>	25	0.5		35	0.5	
BO018.02	<i>Eucalyptus calycogona</i> var. <i>calycogona</i>	650	2		650	2	
BO018.01	<i>Eucalyptus phenax</i>	650	20		650	20	
BO018.10	<i>Helichrysum leucopsidium</i>	10	0.3		10	0.3	
BO018.05	<i>Lepidosperma brunonianum</i>	30	1		40	1	
BO018.04	<i>Lomandra effusa</i>	30	0.4		30	0.4	
BO018.09	<i>Melaleuca lateriflora</i> <i>lateriflora</i> <i>lateriflora</i>	70	0.2		70	0.2	
	<i>Poaceae</i> sp.	40	0.4		0	0	
BO002.07	<i>Podolepis lessonii</i>	5	0.01		15		0.01
	<i>Podotheca angustifolia</i>				5		0.1
BO018.06	<i>Rhodanthe laevis</i>	5	0.1		5	0.1	0.01
	<i>Santalum spicatum</i> <i>acuminatum</i>				5		0.01
	<i>Senecio</i> sp. <i>glossanthus</i>				15		0.05
BO018.11	<i>Trachymene pilosa</i>	5	0.1		5		0.5
BO018.07	<i>Trymalium ledifolium</i> var. <i>rosmarinifolium</i> <i>diffusum</i>	20	0.3		120	0.3	
	<i>Wahlenbergia gracilentia</i>				15		0.01
	<i>Hydrocotyle medicagin</i>						
	<i>Podolepis tepperi</i>						
	<i>Lobelia g. libbosa</i>						
	<i>Hydrocotyle rugulosa</i>						

Brend *

22-9-00.

Millotia tenuiflora
Austrostipa pycnostachya
Desmodium asperum
Arthrop. capillipes
Trachymene ornata

Calandrinia? sericea (infert)
Waltia acuminata
Thysanot. patersonii

20x20

Euc. wandoo

KLH

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling NR SITE NUMBER BOO 19
 DATE TRIP 22-9-2000 RECORDERS NG/GK/WM
 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.

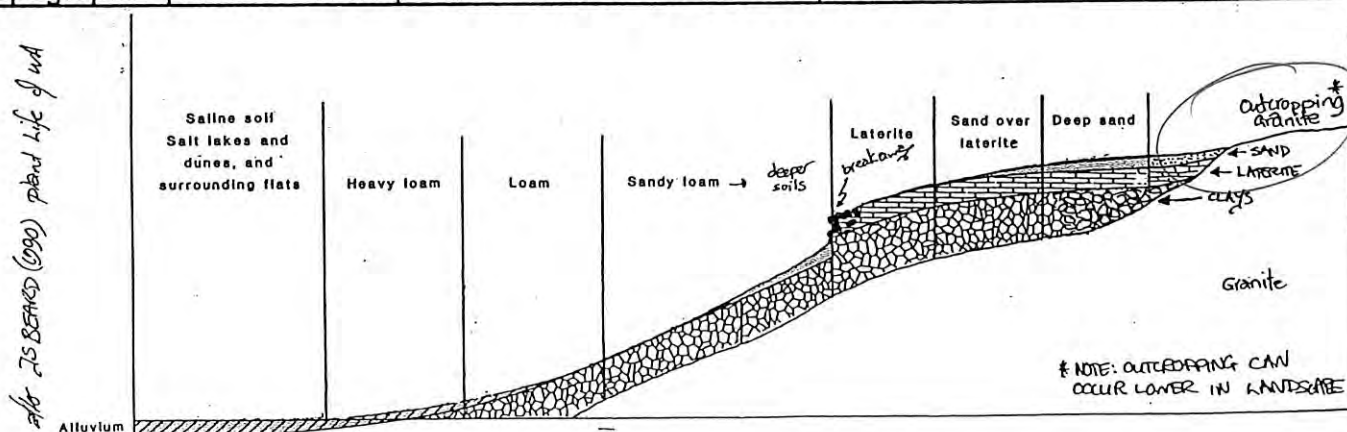


Road Location

Geographic Location	Latitude	S Longitude	E Altitude
Reference Map	<u>32° 6' 28.9"</u>	<u>117° 47' 22.7"</u>	

Photograph	Photographer's Name	Photo No
	<u>NG</u>	<u>7</u>

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



2. SITE DATA Circle the correct response.

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	S	<u>SW</u>	W	NW
-------	------	---------------	-------	--------	---	----	---	----	---	-----------	---	----

Surface Soil	type <u>gritty loam</u>		Colour	<u>brown</u>
Exposed rock	type <u>granite</u>		% surface	<u>30</u>

Sub-surface Soil	type <u>granite</u>		Colour	
Rock	type		depth to rock	

Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year	winter/spring
----------	-------------	-----	------	-------------	----	-----	----------	---------------

Litter	<u>twigs, lvs</u>	% cover	<u>30/70</u>	Bare Ground	<u>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.

		TREES			MALLEES	
		over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM						
COVER CLASS (%)						
DOMINANT SPECIES						
		SHRUBS			SHRUBS	
		over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM						
COVER CLASS (%)		30-70	30-70			2-10
DOMINANT SPECIES		Leptosperm	Alloc. camp			Astrol ep serra
		GRASSES	HERBS	SEDGES		
				over 0.5m	under 0.5m	
LIFE FORM						
COVER CLASS (%)		22	2-10		22	
DOMINANT SPECIES			Opere vag			

4. VEGETATION CONDITION

Comments

bunt ca 20 yrs b/f
Leptosperm above Allocas.

K47

BOOLANELLING RESERVE								
Site No.: 19			Date Assessed			Date Assessed		
H7: Tamma heath type 1			4/09/98			28/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	* <i>Aira caryophyllea</i>				5			✓
	* <i>Arctotheca calendula</i>				10		0.01	✓
	* <i>Bromus rubens</i>				15		0.01	✓
	* <i>Hypochaeris glabra</i>	5	0.3		5		0.1	✓
	* <i>Vulpia bromoides</i> ~~myuros~~				15		0.05	✓
BO019.02	<i>Acacia assimilis</i>	50	1		50	1		✓
BO017.02	<i>Allocasuarina campestris</i>	160	2	2	160	2	2	✓
	<i>Astroloma serratifolium</i>	70	3	2.5	70	5	2.5	✓
BO017.04	<i>Baeckea crispiflora</i>	80	2	0.3	80	2	0.5	✓
BO004.03	<i>Borya sphaerocephala</i>	5	0.2		5		0.2	✓
BO011.07	<i>Calytrix breviseta</i> subsp. <i>stipulosa</i>	40	0.5		40	0.5		✓
BO019.03	<i>Cyanicula deformis</i> ms				15	0.01		✓
	<i>Drosera</i> sp.	T	0.01		T		0.01	✓
BO017.01	<i>Leptospermum erubescens</i>	350	20		350	25		✓
	<i>Opercularia vaginata</i>				5	0.01		✓
	<i>Podolepis lessonii</i>				15	0.01		✓
BO019.01	<i>Stackhousia monogyna</i>	30	0.01		30	0.05		✓
BO001.19	<i>Stylidium dichotomum</i>				5	0.01		✓
	<i>Trachymene pilosa</i>				5		0.5	✓
BO001.14	<i>Verticordia chrysantha</i>	20	0.1		20	0.5		✓
	<i>Blennospora drum</i>							
	<i>Trachym cyanop</i>							
	<i>Ophiodoss coriac</i>							
	<i>Mitotia tenuif</i>							
	<i>Amphipogon</i>							

Eriochilus dilatatus

Austrostip elegant

Diuris sp

Drosera macrantha

✓ *Comesperma calymega*

Crassula colorata

Phyllangium parad

Drosera subhirtella

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

KL49

BUSHLAND AREA Boolanelling NR SITE NUMBER B00 20
 DATE TRIP 22-9-2000 RECORDERS NG/GK/WM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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

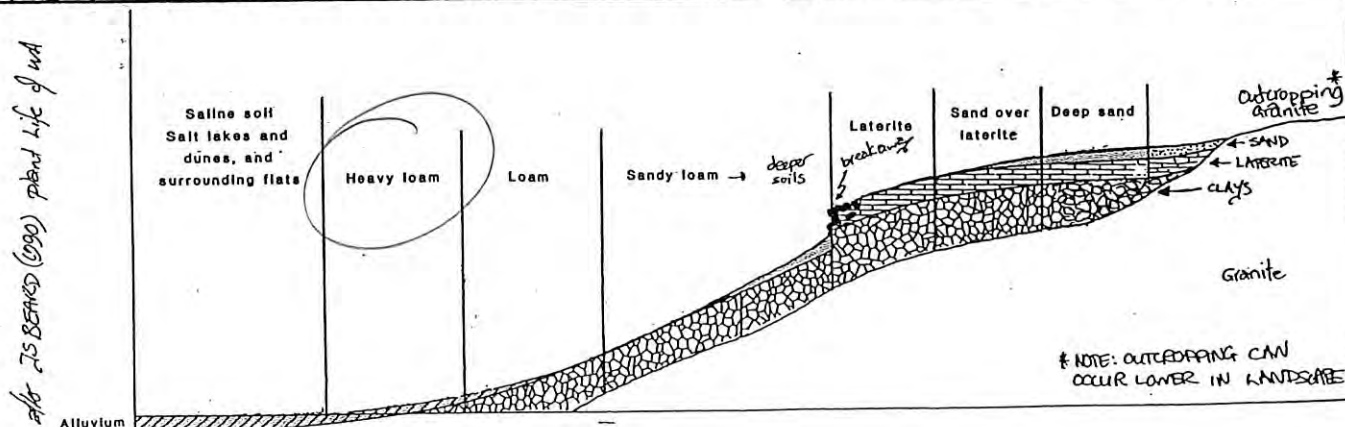


Road Location

Geographic Location Latitude 32° 6' 59.3" S Longitude 117° 48' 09.8" 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.

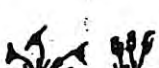
Slope flat gentle steep Aspect N NE E SE S SW W NW
 Surface Soil clay Colour orange-brown
 Exposed rock type none % surface _____
 Sub-surface Soil clay Colour brown
 Rock type _____ depth to rock > 1m
 Drainage well mod poor depth water cm Wet all year winter/spring
 Litter LG, bark, twigs % cover 70-90 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					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	10-30				
DOMINANT SPECIES	Euc. salmono				
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<2	2-10			
DOMINANT SPECIES		Oxalis p			

4. VEGETATION CONDITION

Comments

excellent

KL49

22-9-00

BOOLANELLING RESERVE							
Site No.: 20		Date Assessed			Date Assessed		
W1: <i>Eucalyptus salubris</i> woodland		4/09/98			28/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Aira caryophylla</i>				5		0.1
	* <i>Bromus rubens</i>				30		0.01
BO020.02	~~*<i>Oxalis corniculata</i>~~ <i>perennans</i>	5	0.15		0	0	
	* <i>Ursinia anthemoides</i>	10	0.01		10		0.01
BO020.04	<i>Austrostipa trichophylla</i>	10	0.05		40	0.1	
BO020.03	<i>Brachyscome ciliaris</i>	5	0.01		0	0	
	<i>Daucus glochidiatus</i>	5	0.01		25	0.05	
BO015.02	<i>Dodonaea bursariifolia</i>	30	0.2		30	0.2	
BO020.01	<i>Eucalyptus salmonophloia</i>	2600	55	0.4	2600	60	0.4
BO020.07	<i>Lepidium rotundum</i>	10	0.01		10	0.01	
	<i>Pittosporum phylliraeoides</i>	110	0.05		110	0.05	
BO020.05	<i>Rhodanthe laevis</i> (other <i>Scorimboros</i>)	10	0.05		10		0.1
	<i>Thelymitra</i> sp.				90	0.01	
	Unknown sp.	10	0.01				
	<i>Calandrinia remala</i>						
	<i>Brachycome glandul</i>						

Verb →

VSP

20x20

Euc. wandoo

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Boolanelling NR SITE NUMBER BOO 21 (KL50)
 DATE TRIP 22-9-2000 RECORDERS NG/GK/WM
 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.

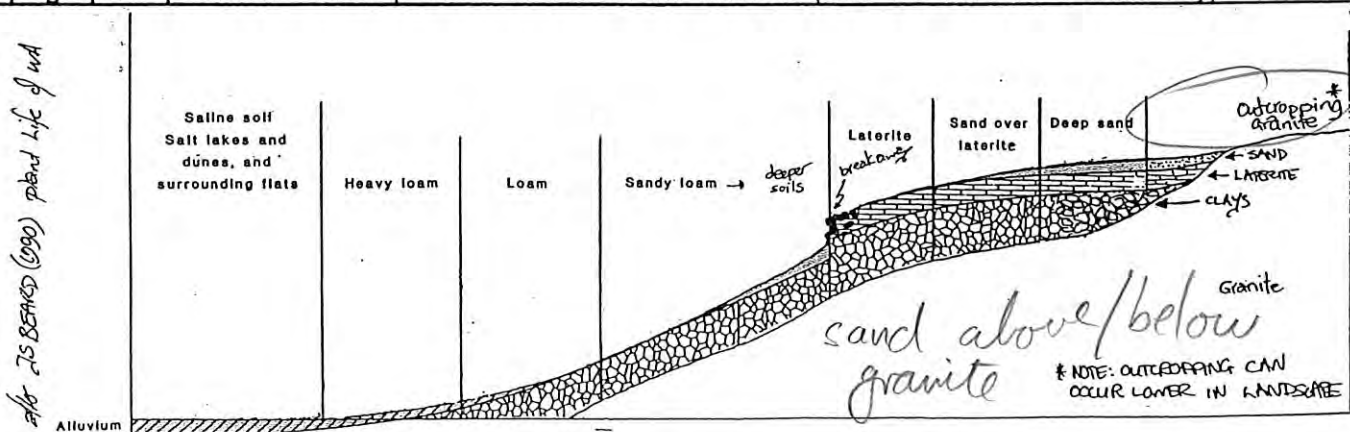


Road Location

Geographic Location Latitude 32° 7' 10.1" S Longitude 117° 47' 27.3" E Altitude _____
 Reference Map _____

Photograph Photographer's Name NG Photo No 09/104

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** brown
Exposed rock type granite pebbles % surface 210

Sub-surface Soil loam **Colour** brown
Rock type granite depth to rock _____

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

Litter logs, lvs, twigs % cover 70-90 **Bare Ground** 30 %cover
 Depth 2-50 cm

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

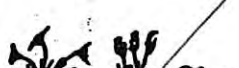
3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)			2-10				
DOMINANT SPECIES			Alloc. hueg				

SHRUBS					SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m	
LIFE FORM						2m 1m
COVER CLASS (%)	30-70					
DOMINANT SPECIES	Alloc. camp leptosperm					

GRASSES		HERBS		SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2	2-10			
DOMINANT SPECIES	Vulpia				

4. VEGETATION CONDITION

Comments

excellent

KL50

BOOLANELLING RESERVE								
Site No.: 21			Date Assessed			Date Assessed		
T1: Tamma thicket type 1			4/09/98			28/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	* <i>Aira caryophyllea</i>				5			3
	* <i>Anagallis arvensis</i>				15	0.05		✓
	* <i>Hypochaeris glabra</i>	2	1.5		2	1.5		2
	* <i>Sonchus oleraceus</i>				5	0.01		✓
	* <i>Ursinia anthemoides</i>				15	0.01		✓
	* <i>Vulpia bromoides</i> <i>myurus</i>				20			5
BO007.12	<i>Agrostis avenacea</i>				15	0.01		
BO021.01	<i>Allocasuarina campestris</i>	350	6	1	350	6		✓
	<i>Blennospora drummondii</i>				5	0.01		✓
	<i>Drosera</i> sp.	T	0.01		T		0.01	
BO001.22	<i>Gnephosis tenuissima</i>				10	0.01		
BO021.02	<i>Gonocarpus pycnostachyus</i>				5	0.01		
	<i>Hydrocotyle diantha</i>				2	0.01		
BO017.01	<i>Leptospermum erubescens</i>	450	70	5	450	70		5
	<i>Levenhookia pusilla</i>				5	0.01		
	<i>Levenhookia stipitata</i>				5	0.01		
	~~<i>Monotaxis grandiflora</i>~~ <i>Poranthera microph</i>				5	0.05		
	<i>Phyllangium paradoxum</i>				10	0.01		✓
	~~Poaceae~~ sp.	60	0.3					
	<i>Podolepis lessonii</i>				10	0.01		
	<i>Podotheca angustifolia</i>				5	0.05		✓
	<i>Stylidium calcaratum</i>	2	0.2		2	0.02		✓
BO018.11	<i>Trachymene pilosa</i>	5	5		15	5		✓
	<i>Waitzia acuminata</i>				15	0.01		✓
	<i>Trifolium subterr</i>							
	~~<i>Allocasuarina</i>~~							
	~~<i>Drosera gland</i>~~							
	~~<i>Rhod laev</i>~~							
	~~<i>Millotia tenuiflora</i>~~							
	~~<i>Thys paterso</i>~~							
	~~<i>Caladenia sacch</i>~~							

check

22-9-90

Briza max
Wahlenb. grac
Cassia alfredi
Arthrop capill
 ✓ *Nicotiana occid*
Austrostip elegant
Drosera macranth

ADD *Allocasuarina huegelii* from overstorey

20x20

E. wandoo