

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hurlstone NR SITE NUMBER HS 01
 DATE TRIP 25-8-2000 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.

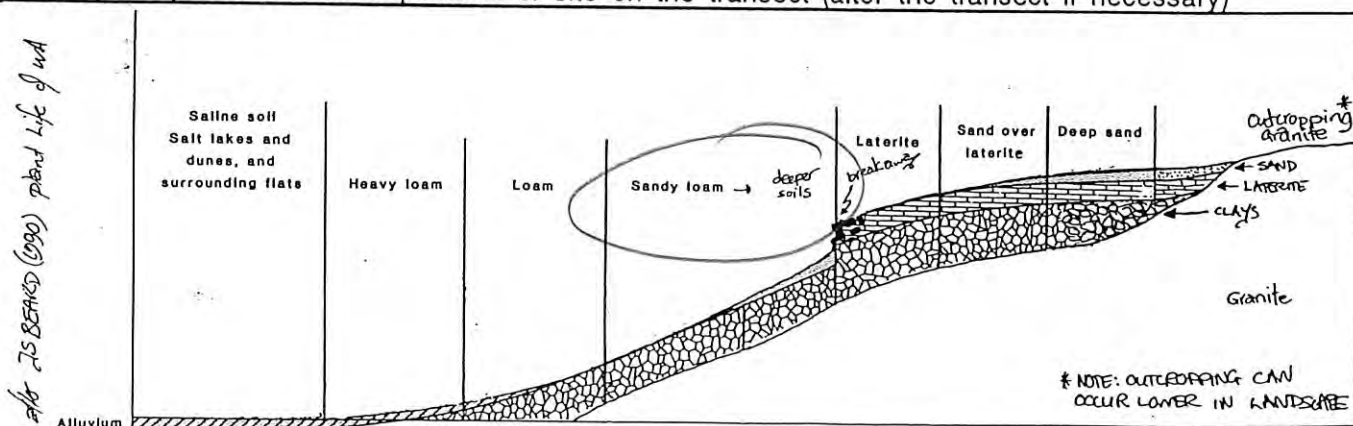


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____

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	sandy clay							Colour	yellow			
Exposed rock	type							% surface				
Sub-surface Soil	sandy clay							Colour				
Rock	type							depth to rock				
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year	winter/spring				
Litter	twigs, lvs		% cover	10/30	Bare Ground	50	% cover					
	Depth 2		cm									

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

3. VEGETATION STRUCTURE AND COVER

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

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

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

SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10		2-10		30-70
DOMINANT SPECIES	<i>Hakea pinnatifida</i> or <i>Allocasuarina</i>		<i>Allocasuarina</i> <i>Callitris viminalis</i>		<i>Acacia linedata</i> <i>Melaleuca</i> <i>Micromyrtus racemosa</i> <i>Phoradendron filifolium</i> <i>Verticordia</i> spp

GRASSES		HERBS		SEDGES		over 0.5m		under 0.5m	
LIFE FORM									
COVER CLASS (%)	<2	<1							10-30
DOMINANT SPECIES									<i>Schoenus - calcareus</i> <i>Lepidosperma</i>

4. VEGETATION CONDITION

Comments

excellent
bunt 20/30 yrs ago

LAKE HURLSTONE RESERVE							
Site No.: 1		Date Assessed			Date Assessed		
F: Low Heath		11-Jun-98			20/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
HS001.06	<i>Acacia dielsii</i>	80	25	1	80	40	2
	<i>Acacia lineolata</i>				100	0.4	
HS001.02	<i>Allocasuarina acutivalvis</i>	120	3		120	3	1
HS001.21	<i>Astroloma serratifolium</i>	30	1.5	0.2	30	1.5	
HS001.15	<i>Baeckea crispiflora</i>	30	1		40	1	
	<i>Beyeria brevifolia</i>				30	1	
	<i>Callitris-preissii</i> <i>verrucosa</i>				120	0.5	
HS001.16	<i>Cryptandra nutans</i>	25	0.5				
HS001.14	<i>Dampiera oligophylla</i>	20	1		20	0.01	
HS001.03	<i>Grevillea didymobotrya</i> subsp. <i>didymobotrya</i>	100	2		100	3	
HS001.01	<i>Grevillea eriostachya</i> <i>exselsior</i>	300	3		300	3	
HS001.17	<i>Grevillea hookeriana</i>	50	1		70	0.5	
HS001.04	<i>Hakea erecta</i>	100	3.5		100	3	
~~HS001.13~~	~~<i>Hibbertia eatoniae</i>~~ <i>glabriuscula</i>	30	0.5		30	0.01	
~~HS001.24~~	<i>Jacksonia racemosa</i>				15	1	
HS001.19	<i>Lepidosperma viscidum</i>	40	0.5		40	2	
HS001.10	<i>Leucopogon dielsianus</i>	30	0.5		30	0.5	
HS001.05	<i>Melaleuca cordata</i>	40	7	1	40	7	
~~HS001.26~~	~~<i>Melaleuca subularis</i>~~ <i>tuberculata</i>				20	0.01	
~~HS001.09~~	~~<i>Micromyrtus racemosa</i> var. <i>latifolia</i>~~ ms <i>obovata</i>	10	2	0.5	40	2	0.5
	<i>Mirbelia spinosa</i>				10	0.01	
HS001.12	<i>Neurachne alopecuroidea</i>	5	0.2		5	0.5	
	<i>Persoonia coriacea</i>				30	0.5	
HS001.22	<i>Phebalium filifolium</i> <i>effusa</i>	30	1	0.1	30	0.5	
HS001.07	<i>Platysace maxwellii</i> (small lvs)	25	1		35	1	
HS001.20	<i>Psammomoya choretroides</i>	30	0.2		30	0.5	
HS001.28	<i>Schoenus calcatus</i>				5	5	
* HS001.08	<i>Stylidium breviscapum</i>	5	0.2		5	0.5	
HS001.27	<i>Verticordia brownii</i>				40	0.5	
HS001.23	<i>Verticordia chrysantha</i>				30	3	
~~HS001.11~~	~~<i>Verticordia pieta</i>~~ <i>aridifolia</i>	30	1		30	2	

Drosera macrantha

Hibbertia

[HS1.13 → sp sterile folder.
our material = 1/1 *glabriuscula*]

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Harkstone NR SITE NUMBER HS 02
 DATE TRIP 25-4-2000 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.



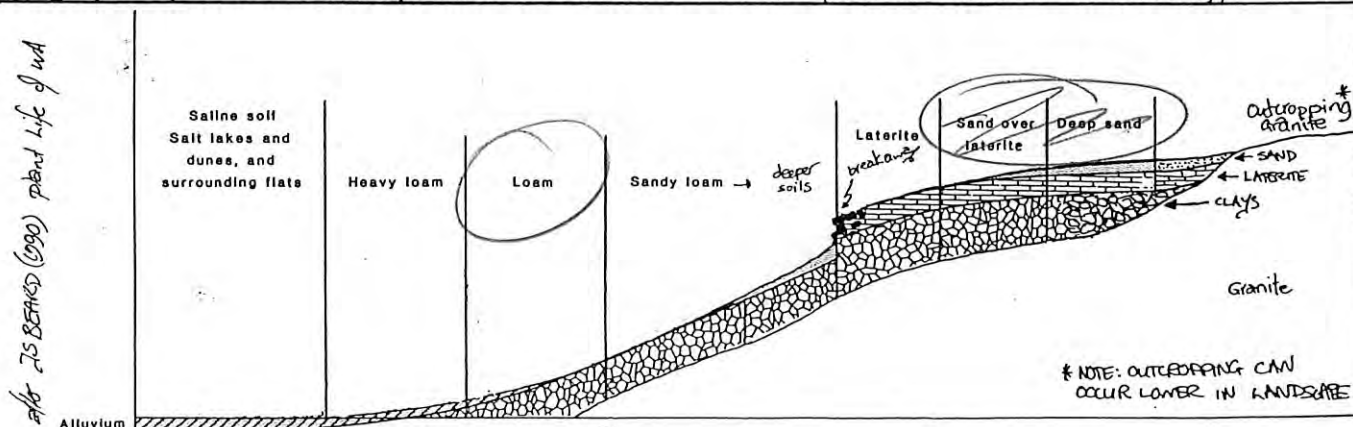
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

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 _____ Colour _____
 Rock type clay depth to rock _____

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

Litter vs. twigs, logs % cover 10/30 Bare Ground 50 %cover
 Depth 2-20cm

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

3. VEGETATION STRUCTURE AND COVER

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

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

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

SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10	2-10			10-30
DOMINANT SPECIES	Mel. uncinata	Mel. uncin. Daviesia Exocarp. aphyll			Phyb. tubercul Westringia ceph

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

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE								
Site No.: 2		Date Assessed			Date Assessed			
J: Shrub mallee		11-Jun-98			20/10/98			
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
HS002.14	<i>Acacia hemiteles</i>	50	0.2		50	0.2		✓
HS002.12	<i>Beyeria brevifolia</i>	40	0.2		40	0.2		
HS002.05	<i>Daviesia benthamii</i> subsp. <i>benthamii</i>	130	2		130	2		✓
HS002.06	<i>Dodonaea bursariifolia</i>	30	3		50	3		✓
HS002.02	<i>Eucalyptus-eremophila</i> <i>tenara</i>	300	20	4	300	8		✓
HS002.01	<i>Eucalyptus flocktoniae</i> <i>fls</i>	400	8		400	20		✓
HS002.03	<i>Eucalyptus phenax</i>	400	12		400	12		✓
HS002.08	<i>Exocarpos aphyllus</i>	130	2		130	2		✓
HS002.09	<i>Hakea affin. strumosa</i>	100	0.8		100	0.8		
HS002.15	<i>Hibbertia exasperata</i>	10	0.1		10	0.1		
HS002.13	<i>Melaleuca laxiflora</i> <i>ctenoides</i>	50	0.5					
HS002.11	<i>Melaleuca scabra</i> <i>tuberculata</i>	80	0.5		80	1		
HS002.04	<i>Melaleuca uncinata</i>	100	4		100	4		✓
HS002.07	<i>Phebalium tuberculosum</i>	30	3		30	3		✓
HS002.10	<i>Platysace (maxwellii)</i> <i>lge lvs.</i>	30	0.8		30	1.8		
	<i>Westringia cephalantha</i>				30	0.5		✓
HS002.17	<i>Westringia rigida</i>	30	0.1		30	0.1		✓
	<i>Thysanotus patersonii</i>							
	<i>Austrostipa trichophylla</i>							

H457

F.I. Base
*

20x20 same

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hurlstone NR SITE NUMBER HSP3
 DATE TRIP 24/8/2000 RECORDERS Ng/gk/wm
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

HV58

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.



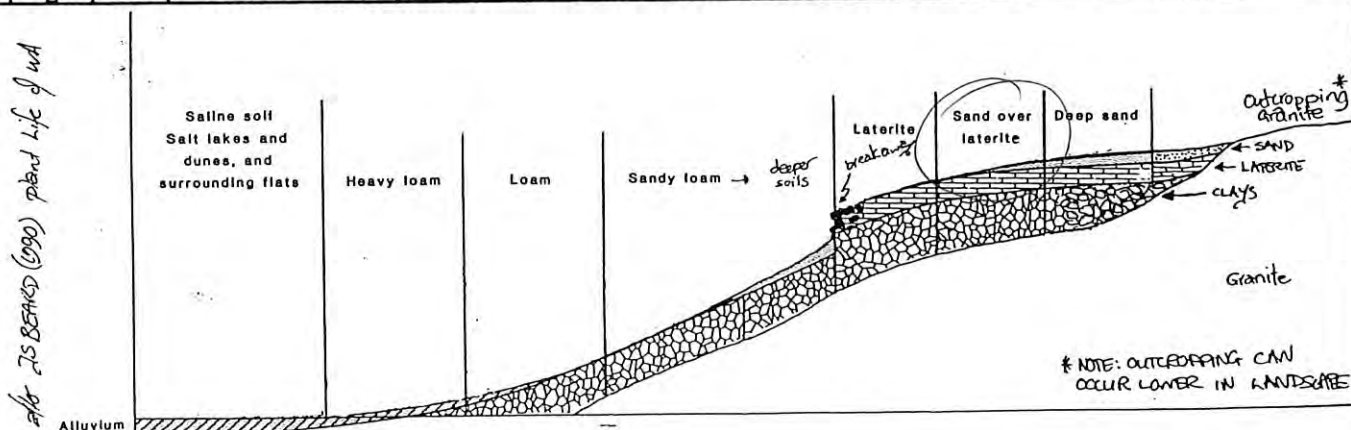
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

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 sandy clay **Colour** grey-brown
Exposed rock type laterite pebbles % surface _____

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

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

Litter twigs, vs, stems % cover 30/70 **Bare Ground** 30 %cover
 Depth 2 cm

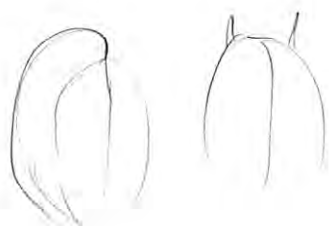
excellent

LAKE HURLSTONE RESERVE								
Site No.: 3				Date Assessed			Date Assessed	
G: <i>Dryandra</i> spp. low heath				11-Jun-98			20/10/98	
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
HS003.25	<i>Acacia acutata</i>				30	0.1		
HS003.16	<i>Acacia assimilis</i>	180	3	1	200	3		
HS003.17	<i>Allocasuarina acutivalvis</i>	250	5		250	5		✓
HS001.21	<i>Astroloma serratifolium</i>	50	0.5					✓
HS003.08	<i>Beaufortia schaueri</i>	60	15		60	10		✓
HS003.23	<i>Beyeria brevifolia</i>	130	0.5					
HS003.19	<i>Callitris preissii</i> subsp. ~~verrucosa~~ <i>tuberculata</i>	200	1.5		200	1.5		✓
HS003.09	<i>Callitris roei</i>	100	1		100	1		✓
HS003.15	<i>Calytrix breviseta</i> subsp. <i>stipulosa</i>	20	0.5		20	0.5		
HS003.26	<i>Cassytha aurea</i> var. <i>hirta</i> <i>pubescens</i>				7	0.01		
	<i>Chamelaucium megalopetalum</i> <i>naviculum</i>				60	0.5		
HS003.11	<i>Drummondia hassellii</i>	50	2		50	2		✓
HS003.02	<i>Dryandra cirsoides</i> <i>pallida</i> (usp)	150	10		150	10	1	
HS003.20	<i>Dryandra erythrocephala</i>	120	0.5		100	0.5	0.5	
HS003.01	✓ <i>Eucalyptus capillosa</i> subsp. <i>polyclada</i> usp	350	8	0.5	350	8		✓
	<i>Gastrolobium spinosum</i>	100	0.2		100	0.2		✓
	<i>Grevillea shuttleworthiana</i>				70	0.1		✓
HS003.10	<i>Hakea subsulcata</i>	120	20		120	20		✓
HS003.05	<i>Hibbertia pungens</i> <i>eatoniace</i>	70	2.5		70	2.5		✓
HS003.22	<i>Isopogon scabriusculus</i>	120	1		120	1		✓
HS003.07	<i>Leptomeria preissiana</i>	130	2.5		120	0.5		✓
HS003.18	<i>Leptospermum erubescens</i>	250	1.5		250	1.5		✓
HS003.06	<i>Lomandra mucronata</i>	10	0.3		10	0.3		✓
HS003.14	<i>Lysinema ciliatum</i>	100	1		100	1		✓
HS003.03	<i>Melaleuca spathulata</i> ? <i>tuberculata</i>	70	20		70	20		✓
	<i>Melaleuca subtrigona</i>				40	0.2		
HS003.12	<i>Micromyrtus obovata</i>	50	0.5		50	0.5		
HS001.12	<i>Neurachne alopecuroidea</i>	5	0.05		5	0.05		✓
HS003.21	<i>Persoonia coriacea</i>	100	1		100	1		✓
HS003.04	<i>Petrophile ericifolia</i>	80	1		80	1		✓
HS002.07	<i>Phebalium tuberosum</i>	80	1.5		80	1.5		✓
HS002.10	<i>Platysace (maxwellii)</i> sm lvs yellow	20	0.3					
HS001.08	<i>Stylidium breviscapum</i>	5	0.05		5	0.05		
	<i>Verticordia chrysantha</i>				40	0.5		✓

HY58

hbaes/hyba
hbaes/hyba

- ✓ *Pterostylis vittata*
- ✓ *Thysanotus patersonii*
- ✓ *Drosera macrantha*
- ✓ *Boronia inconspicua*



BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Harlstone NR SITE NUMBER 4504
 DATE TRIP 24-8-2000 RECORDERS N9/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.

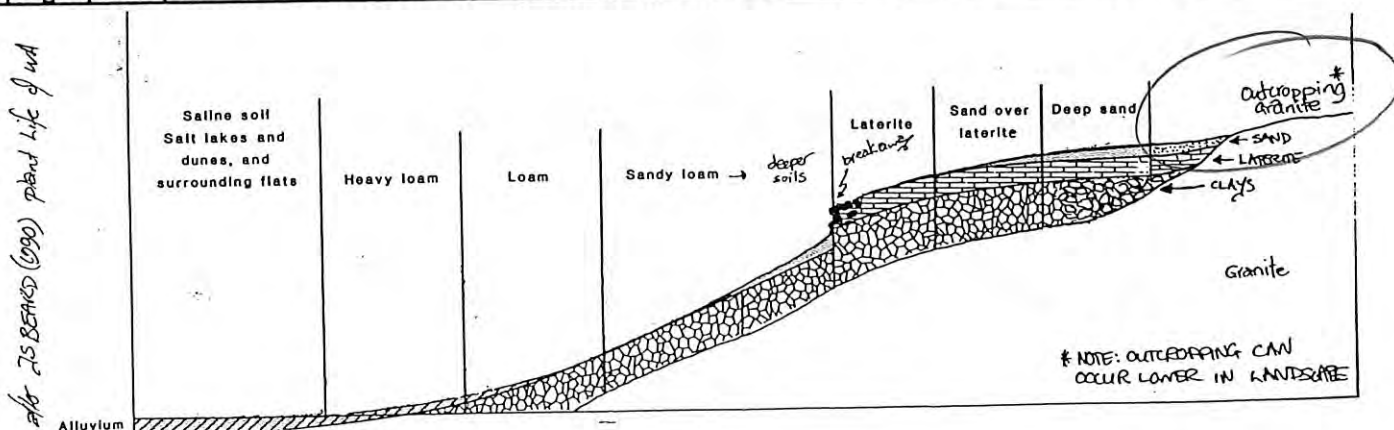


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____

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 loam						Colour brown						
Exposed rock	type						% surface						
Sub-surface Soil	granite						Colour						
Rock	type						depth to rock						
Drainage	well	mod	poor	depth water	cm	Wet all year			winter/spring				
Litter	twigs, stems		% cover	290		Bare Ground		210		% cover			
	Depth 2-10		cm										

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

3. VEGETATION STRUCTURE AND COVER

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

Cover Class					
	2-10%	10-30%	30-70%	over 70%	
TREES					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM		(50) 	 		
COVER CLASS (%)		30-70			2-10
DOMINANT SPECIES		<i>Alloc. huegel</i>			<i>Euc. @ sprad</i>
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 				
COVER CLASS (%)					< 2
DOMINANT SPECIES					<i>Platysace</i>
GRASSES		HERBS	SEDGES over 0.5m	under 0.5m	
LIFE FORM	 	  	  	  	
COVER CLASS (%)	10-30	< 2		10-30	
DOMINANT SPECIES	<i>Spartochloa sc</i> <i>Nerachne al</i>	<i>Dianella rev</i>		<i>Lepidosp</i> - visc	

4. VEGETATION CONDITION

Comments

LAKE HURLSTONE RESERVE							
Site No.: 4		Date Assessed			Date Assessed		
W: Allocasuarina-Acacia low woodland-thicket		11-Jun-98			20/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	*Ursinia anthemoides				10	0.01	
	*Vulpia bromoides				20	0.01	
HS004.01	Allocasuarina huegeliana	1100	45		1100	45	✓
HS004.06	Austrostipa sp. elegantissima	40	0.2				
	Blennospora drummondii				5	1	
HS004.11	Borya sphaerocephala	5	0.1		5	0.1	✓
HS006.20	Brachyscome pusilla				5	0.01	
	Caladenia (sp.) microchila				15	0.01	
HS004.04	Dampiera lavandulacea	20	0.1		30	0.5	✓
	Dianella revoluta	80	0.3		80	0.3	✓
	Drosera sp.	T	0.01				
HS004.13	Eucalyptus (occidentalis) sporadica	1000	0.1		OH	0.1	
HS004.18	Helichrysum leucopsidium				30	0.05	
HS004.09	Hibbertia rupicola	30	0.1		50	1	✓
HS004.10	Lepidobolus chaetocephalus	30	0.1		30	0.5	✓
HS004.03	Lepidosperma viscidum	90	5		90	5	✓
HS004.02	Leptospermum erubescens	300	0.1				✓
HS004.07	Lomandra micrantha subsp. teretifolia	70	1		70	1	✓
	Lycopodium cinerea Desmod. asp				20	0.5	
	Neurachne alopecuroides				15	2	✓
	Orchidaceae sp.	3	0.01				
	Phyllangium paradoxum				5	0.05	
HS004.12	Platysace (maxwellii) 1ge lvd	60	1.5		60	2.5	
	Podotheca angustifolia				30	0.1	
HS016.19	Rhodanthe laevis				5	0.05	
HS004.08	Spartochloa scirpoidea	110	4		110	5	✓
	Stackhousia monogyna				40	0.1	✓
	Thysanotus patersonii				T	0.01	✓
	Trachymene pilosa				15	0.01	
HS004.05	Unknown sp.	15	1				
HS016.22	Wahlenbergia gracilentia				10	0.01	

Caladema sacchara

Eriochilus dilatatus

Pterostylis *vittata* *sanguinea* ✓

Austrostipa pycnostachya

HY59

VSP

NO SPC
AND

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA _____ SITE NUMBER 4505
 DATE TRIP 24/8/2000 RECORDERS NG/SK/WM
 DATE TRIP _____ RECORDERS HY60
 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.

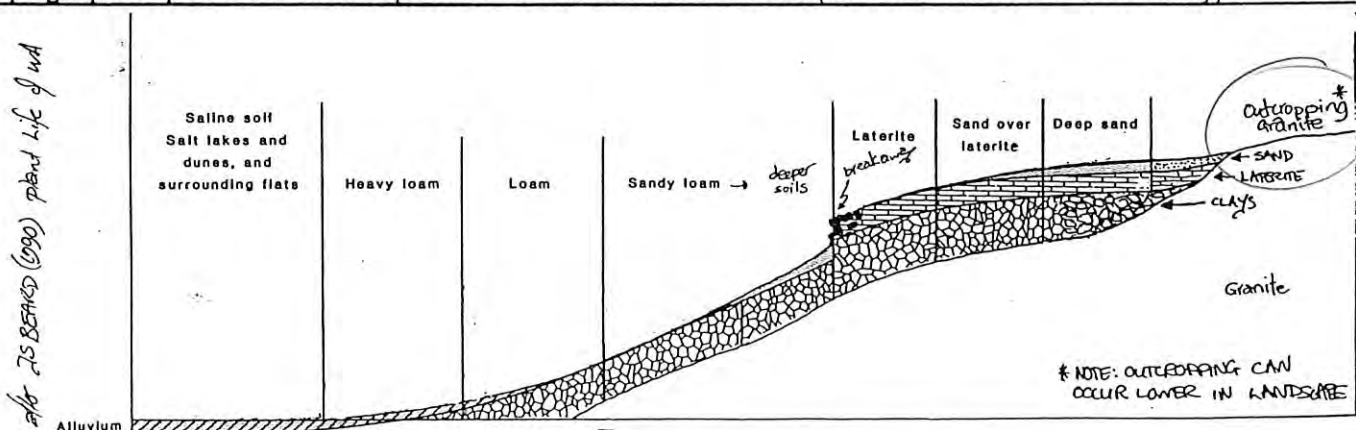


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____

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	type <u>gully loam</u>							Colour	<u>brown</u>			
Exposed rock	type _____ % surface _____											
Sub-surface Soil	type <u>granite</u>							Colour				
Rock	type <u>10-2cm depth to rock</u>											
Drainage	well	mod	<u>poor</u>	depth water	cm	Wet	all year	<u>winter/spring</u>				
Litter	<u>1/6, twigs</u>		% cover	<u>10/30</u>	Bare Ground	<u>> 850</u>		% cover				
	Depth		cm									

mostly moss

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

3. VEGETATION STRUCTURE AND COVER

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

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

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

SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10-30				
DOMINANT SPECIES	Thrypt. aust				

GRASSES		HERBS		SEDGES		SEDGES	
				over 0.5m		under 0.5m	
LIFE FORM							
COVER CLASS (%)		30-70					
DOMINANT SPECIES		Stypandra glau					
		Borua nitida					

4. VEGETATION CONDITION

Comments

LAKE HURLSTONE RESERVE							
Site No.: 5		Date Assessed			Date Assessed		
V: Granite rock scrub		11-Jun-98			20/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Aira caryophyllea</i>				15	3	
	* <i>Briza minor</i>				15	0.1	
	* <i>Bromus rubens</i>				15	0.1	
HS005.05	* <i>Hypochaeris glabra</i>	1	1		15	1	✓
	* <i>Lagurus ovatus</i>				15	0.01	✓
	* <i>Parentucellia latifolia</i>				15	1	
	* <i>Sonchus oleraceus</i>				15	1	✓
	* <i>Ursinia anthemoides</i>				20	0.5	
	* <i>Vulpia bromoides</i>				20		3 ✓
HS005.07	<i>Blennospora drummondii</i>				5		3 ✓
HS004.11	<i>Borya sphaerocephala nitida</i>	10	3		10	1	3 ✓
	<i>Centrolepis aristata</i>				10	0.1	
HS005.13	<i>Centrolepis strigosa</i>				5	0.01	
	<i>Crassula colorata</i>				5	0.05	
HS005.02	<i>Dichopogon</i> ~~sp.~~ <i>preissii</i>	1	0.1		40	2	✓
HS005.06	<i>Dodonaea viscosa</i> subsp. <i>angustissima</i>	110	1				
	<i>Drosera glanduligera</i>				5	0.02	✓
HS005.03	<i>Drosera lowriei</i>	1	0.2				
HS005.08	<i>Drosera subhirtella</i> subsp. ~~moorei~~	T	0.01		T	0.5	
HS005.04	<i>Gnephosis tenuissima</i>	5	70		5	70	✓
HS005.09	<i>Gonocarpus nodulosus</i>				10	0.01	✓
HS005.10	<i>Goodenia micrantha</i>				5	0.01	
HS005.11	<i>Microtis media</i> subsp. <i>media</i>				50	0.5	
	<i>Phyllangium paradoxum</i>				5	0.5	
	<i>Podolepis lessonii</i>				20	3	✓
	<i>Podotheca angustifolia</i>				5	0.1	
HS005.12	<i>Spiculea ciliata</i>				10	0.01	✓
HS004.15	<i>Stypandra glauca</i>	80	10		80	10	✓
	<i>Thelymitra stellata</i>				15	0.01	
	<i>Thryptomene australis</i>	400	15		400	15	3 ✓
	<i>Trachymene pilosa</i>				5	0.01	
HS005.01	<i>Wurmbea sinora</i>	5	0.05				

HY60

W.A. herbs red
// S. lowius sp

Borya constricta ✓
Cheilanthes austro-tenuif ✓
Ophioglossum coriaceum ✓
Chaemascilla corymbosa ✓
Thysanotus tenellus ✓
Stackhousia mongyna ✓
Drosera menziesii ✓
Thysanotus patersonii ✓
Artropodium capillipes ✓
Rutidosia multif ✓

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Harlstone NR SITE NUMBER HS 6
 DATE TRIP 24/8/2000 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.



edges salt affected

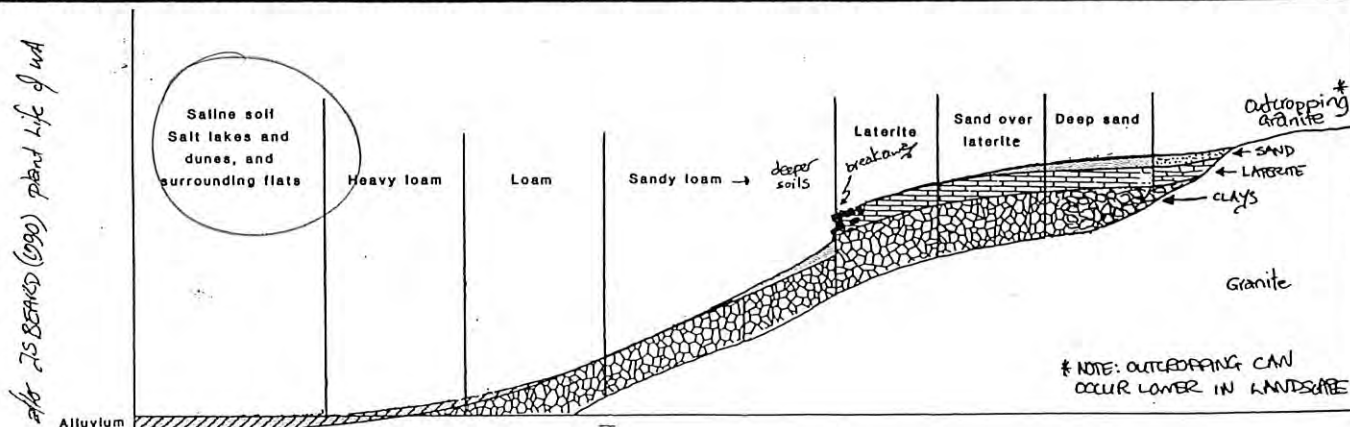
Road Location

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 deep sandy clayey sand Colour grey
 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 logs twigs 1/5 % cover 40/70 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					
COVER CLASS (%)					2-10
DOMINANT SPECIES					

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	100 30-70				2-10
DOMINANT SPECIES	Melal. uncinata				Rhag. drummii

GRASSES		HERBS	SEDGES	over 0.5m		under 0.5m	
LIFE FORM							
COVER CLASS (%)	2-10	10/30					
DOMINANT SPECIES	Austros trichop	mixed					

4. VEGETATION CONDITION

Comments

edges salt affected
shrubs/trees dying

LAKE HURLSTONE RESERVE							
Site No.: 6		Date Assessed			Date Assessed		
C: <i>Melaleuca</i> spp. tall shrubland/thicket		11-Jun-98			19/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Aira caryophylla</i>				15	0.5	
	* <i>Cotula bipinnata</i>				5		0.05
	* <i>Hypochaeris glabra</i>	2	0.5				
	* <i>Hypochaeris glabra</i>				15	0.01	
	* <i>Sonchus oleraceus</i>				25	0.01	
	* <i>Vulpia bromoides</i>				15	0.1	0.1
HS006.06	? <i>Podolepis lessonii</i>	10	0.1				
HS006.12	<i>Acacia</i> sp.	200	0.5				
HS006.23	<i>Aizoaceae</i> sp.				5	0.05	
HS006.09	<i>Atriplex hymenotheca</i>	10	0.2		10	0.5	
HS006.04	<i>Austrostipa nitida</i>	30	3				
HS006.25	<i>Austrostipa seabra</i> <i>pycnostachya</i>				40	2	
HS006.20	<i>Brachyscome pusilla</i>				2	0.5	
	<i>Brachyscome</i> sp.				5		0.05
	<i>Comesperma volubile</i> <i>integerrimum</i>				T	0.5	
HS006.17	<i>Cotula cotuloides</i>				3		1
	<i>Crassula colorata</i>				5	0.5	
HS006.07	~~<i>Dampiera tenuicaulis</i>~~ <i>Comesperma ? integerrimum</i>						
HS006.24	<i>Didymanthus roei</i>				10	0.1	
HS006.08	<i>Disphyma crassifolium</i> subsp. <i>clavellatum</i>	5	0.5	0.1	10	0.1	0.1
HS006.11	<i>Eucalyptus</i> sp. <i>spathulata</i>	700	0.2				
HS006.26	<i>Frankenia drummondii</i>				5	1	
HS006.13	<i>Frankenia pauciflora</i>	30	0.01				
HS006.21	<i>Gnephosis uniflora</i>				5	0.3	
HS006.19	<i>Lemooria burkittii</i>				0.5	0.5	
HS006.27	<i>Lepidium rotundum</i>				5	0.01	
HS006.15	<i>Lycium ferocissimum</i> <i>australe</i>	70	0.5				
HS006.02	<i>Melaleuca uncinata</i>	400	45		400	40	5
HS006.03	<i>Podolepis capillaris</i>	10	1		10	1.5	
	<i>Pterostylis</i> sp.				5	0.01	
HS006.01	<i>Rhagodia drummondii</i>	60	10		260	15	
	<i>Threlkeldia diffusa</i>				40	0.1	
	<i>Trachymene cyanopetala</i>				15	0.5	
HS006.05	Unknown sp.	2	1				

Lobelia gibbosa

Calandrinia granulifera

Austrostipa elegantissima

4/61

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hurstville NR SITE NUMBER HS07
 DATE TRIP 24-8-2000 RECORDERS G/N G/MM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

#462

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.

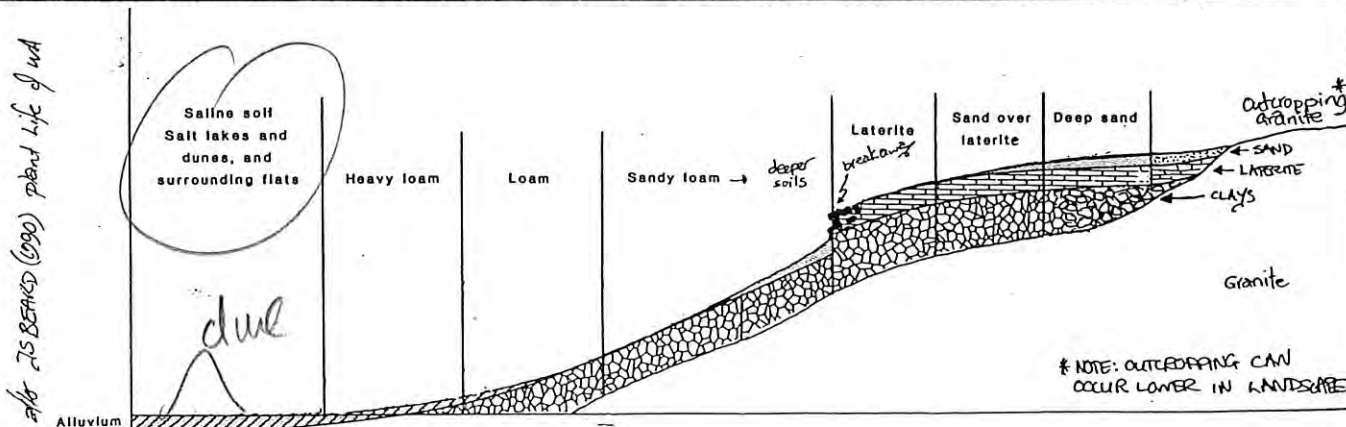


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____

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	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW
Surface Soil	<u>sand</u>						Colour <u>cream</u>					
Exposed rock	type _____						% surface _____					
Sub-surface Soil	<u>sand</u>						Colour _____					
Rock	type _____						depth to rock _____					
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year	winter/spring				
Litter	<u>1/2 twigs logs</u>				% cover	<u>30</u>	<u>70</u>	Bare Ground	<u>30</u>	<u>50</u>	% cover	
	Depth <u>2</u> <u>20</u> cm											

excellent

LAKE HURLSTONE RESERVE							
Site No.: 7		Date Assessed			Date Assessed		
S: <i>Eucalyptus salmonopholia</i> woodland		11-Jun-98			19/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
HS007.11	<i>Calandrinia eremaea</i>				10	0.5	
HS007.07	<i>Carpobrotus</i> ~~sp.~~ <i>modestus</i>	5	0.1		5	0.1	
HS007.05	<i>Chamaexeros fimbriata</i> <i>Lomandra micr</i>	50	0.2		50	2	
	<i>Enchylaena tomentosa</i> <i>teretifolia</i>				30	1	
	<i>Eucalyptus annulata</i>				160	25	
(VSP)	<i>Eucalyptus salmonopholia</i> <i>salicola</i>	1600	75	5	1600	50	5
HS007.06	<i>Gahnia trifida</i>	70	1		0	0	0
HS007.09	<i>Hibbertia eatoniae</i> <i>Bartya diamestris</i> <i>gan.</i>	30	2				
HS007.10	<i>Lepidosperma brunonianum</i>	40	0.5		40	0.5	
HS007.01	<i>Lepidosperma viscidum</i>	50	1.5		50	1.5	
HS007.02	<i>Olearia axillaris</i> <i>var eximicola</i>	50	0.6		50	1	
HS007.04	<i>Osteocarpum salsuginosum</i>	10	0.7				
HS007.03	<i>Rhagodia drummondii</i>	15	5		15	5	
HS007.08	<i>Trymalium elachophyllum</i>	100	2		100	2	0.5
HS007.12	Unknown sp.				100	1	
	<i>Austrostipa trichophylla</i>						

HY62

(walks
reclat)

// Euc *salicicola* ssp *clipes* 24/8/00

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

HYC3

BUSHLAND AREA Lake Hurlstone NR SITE NUMBER HS 08
 DATE TRIP 24/8/2000 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.

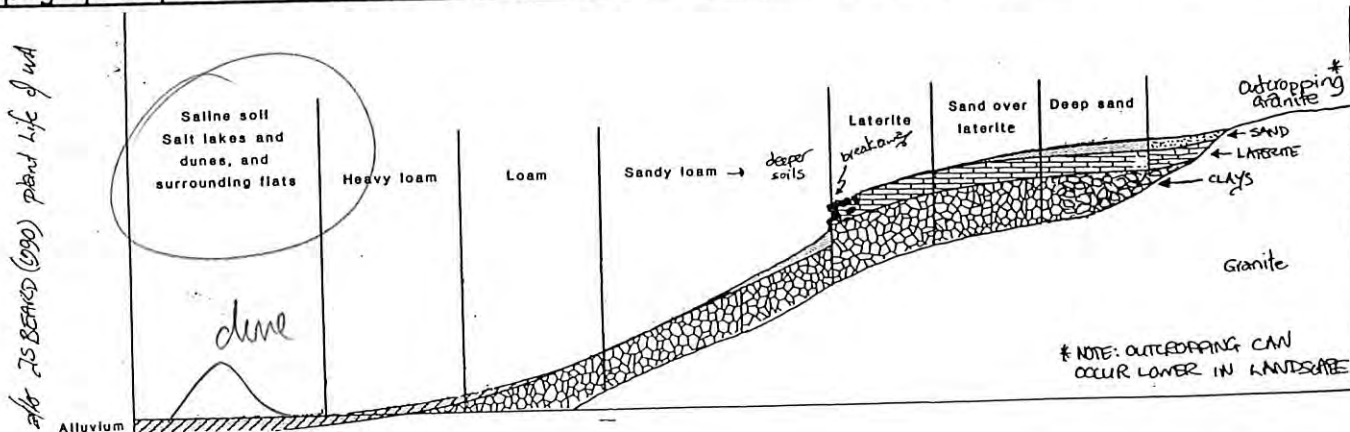


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____

Photograph Photographer's Name NG Photo No 26

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



2. SITE DATA Circle the correct response.

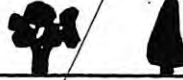
Slope	<u>flat</u> gentle steep	Aspect	N NE E SE S SW W NW
Surface Soil	<u>deep sand</u>	Colour	<u>brown</u>
Exposed rock	type _____	% surface	_____
Sub-surface Soil	_____	Colour	_____
Rock	type _____	depth to rock	_____
Drainage	<u>well</u> mod poor depth water	cm	Wet all year winter/spring
Litter	<u>logs, twigs, logs</u> % cover <u>20-90</u>	Bare Ground	<u>210</u> %cover
Depth	<u>2-20</u> cm		

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

3. VEGETATION STRUCTURE AND COVER

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

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

	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)		30-70			
DOMINANT SPECIES		Euc. corvina			
	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					2-10
DOMINANT SPECIES					Rhagodia drumm caribrotus mod Thurkeldia
	GRASSES		HERBS	SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<1		<1		
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE							
Site No.: 8		Date Assessed			Date Assessed		
Y: <i>Eucalyptus sargentii</i> low woodland		11-Jun-98			19/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
HS024.20	<i>Calandrinia eremaea</i>				5	0.5	
HS007.07	<i>Carpobrotus</i> ~~sp.~~ <i>modestus</i>	8	1.5		8	1.5	
	<i>Crassula colorata</i>				5	0.5	
	<i>Disphyma crassifolium</i> subsp. <i>clavellatum</i>				5	0.5	✓
HS007.04a	<i>Enchylaena tomentosa</i>	5	1		5	1	✓
HS008.01	<i>Eucalyptus sargentii</i>	1500	40		1500	40	✓
	<i>Gunniopsis intermedia</i>				10	2	✓
HS008.03	<i>Gunniopsis</i> sp.	15	0.5		15	0.5	
	<i>Podothea angustifolia</i>				5		0.5
HS007.03	<i>Rhagodia drummondii</i>	30	5		40	5	0.5 ✓
	<i>Senecio</i> ~~sp.~~ <i>glossanthus</i>				25		1
	<i>Trachymene cyanopetala</i>				15	0.1	
HS008.02	Unknown sp.	1500	45				✓
	<i>Zygophyllum glaucum</i>				5	0.1	

HY63

Gunniopsis (collected @ HS 20)

Thysanotus patersonii

Threlkeldia diffusa

20x20 ~~same~~ Euc. *spathulata*

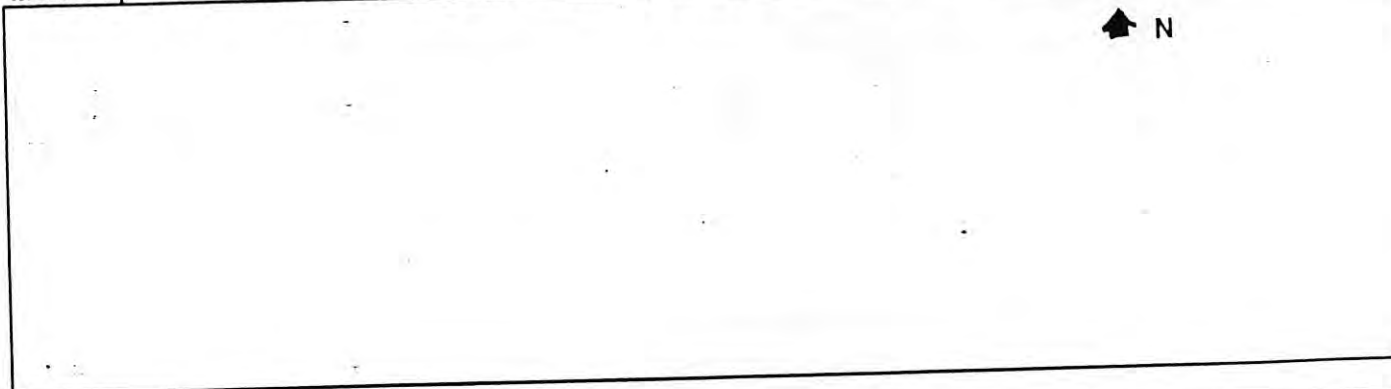
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hurlstone NR SITE NUMBER HS 11
 DATE TRIP 23-8-2000 RECORDERS WM/NG/GK
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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

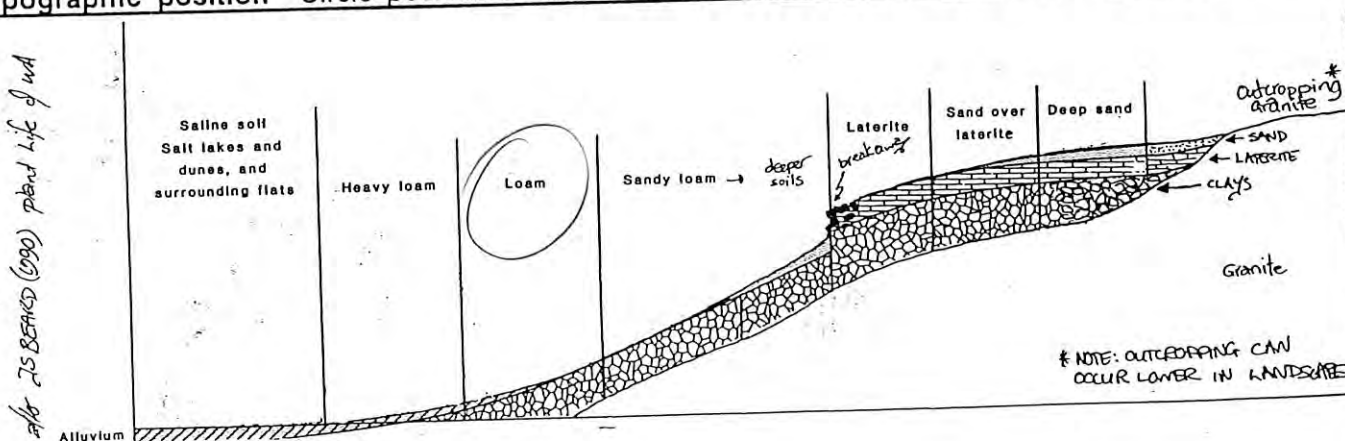


Road Location

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	<u>gentle</u>	steep	Aspect	N	NE	E	<u>SE</u>	S	SW	W	NW
Surface Soil	loam			Colour	brown							
Exposed rock	type			% surface								
Sub-surface Soil				Colour								
Rock	type			> 5m	depth to rock							
Drainage	<u>well mod</u>	poor	depth water	cm	Wet all year			winter/spring				
Litter	vs. logs, twigs			% cover	70/90			Bare Ground			10/30 %cover	
	Depth 0 - 20 cm											

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

3. VEGETATION STRUCTURE AND COVER

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

		Cover Class		Cover Class		Cover Class		Cover Class	
		2-10%		10-30%		30-70%		over 70%	
TREES									
		over 15m	5-15m	under 5m		over 8m		under 8m	
LIFE FORM								30m	10m
COVER CLASS (%)	10/30								
DOMINANT SPECIES	<i>Euc. longicorn</i>								
SHRUBS									
		over 2m	2m - 1.5m	1.5 - 1m		1 - 0.5m		SHRUBS under 0.5m	
LIFE FORM								2m	1m
COVER CLASS (%)	scattered							10-30	
DOMINANT SPECIES	<i>Pittosp. phily</i> <i>Lycium aust</i>							<i>Atrip vesic</i> <i>Olebra muell</i> <i>Erem decip</i>	
		GRASSES		HERBS		SEDGES		over 0.5m	
LIFE FORM								1m	
COVER CLASS (%)	2-10	2							
DOMINANT SPECIES	<i>Austrost trichop</i>	<i>Zygophyllum</i>							

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE								
Site No.: 11				Date Assessed			Date Assessed	
R: <i>Eucalyptus longicornis</i> woodland				12-Jun-98			20/10/98	
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	<i>Asteridea athrixioides</i>				10	5		
HS011.03	<i>Atriplex vesicaria</i> subsp. <i>appendiculata</i>	30	7		50	10	✓	
HS011.04	<i>Austrostipa elegantissima</i>	40	0.3		40	0.5	✓	
HS010.06	<i>Eremophila decipiens</i>	30	0.3		40	0.5	✓	
HS011.01	<i>Eucalyptus melanoxylon</i>	2250	45		2250	40	✓	
HS011.02	<i>Lycium australe</i>	30	1		40	1	✓	
	<i>Maireana erioclada</i>				40	1	✓	
HS011.05	<i>Olearia muelleri</i>	20	0.1		20	0.1	✓	
	<i>Templetonia sulcata</i>	100	0.5		100	0.5	✓	
HS011.06	Unknown sp.	5	0.1					
HS011.07	✓ <i>Zygophyllum glaucum</i> (VSP)	5	0.1		5	0.1	✓	
	<i>Sclerolaena diacantha</i>							
	<i>Austrostipa trichophylla</i>							
	<i>Vulpia myuros</i>							
	<i>Pentastichis aroides</i>							
	✓ <i>Pterostylis nutica</i> (VSP)							
	<i>Acacia nyssophylla</i>							

✓ *Caladenia sigmoides* (VSP)

Austrodanthonia sp

Lepidium rotundum

Add Euc long for cover sheet +/hds

20x20

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hartstone NR SITE NUMBER HS12
 DATE TRIP 23-8-2000 RECORDERS NG/gk/wm
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

HY65

1. LOCATION of the QUADRAT

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

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



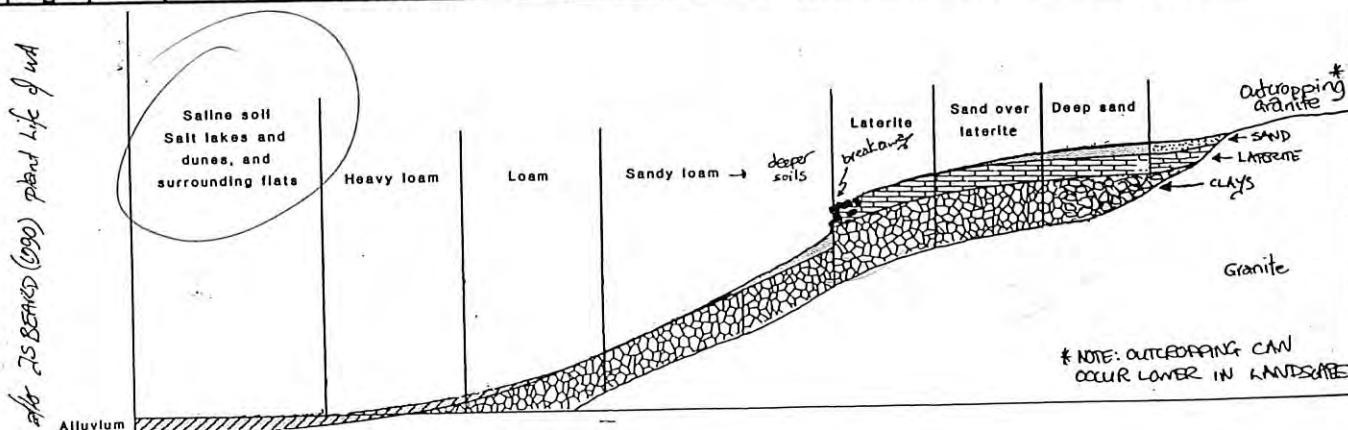
Road Location

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	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW
Surface Soil	<u>sandy clay</u>				Colour	<u>grey</u>						
Exposed rock	type _____				% surface	_____						
Sub-surface Soil	<u>clay</u>				Colour	<u>grey</u>						
Rock	type _____				depth to rock	_____						
Drainage	well	<u>mod</u>	<u>poor</u>	depth water	cm	<u>Wet</u>	all year	<u>winter/spring</u>				
Litter	<u>twigs</u>		% cover	<u>20/70</u>		Bare Ground	<u>50/70</u>		% cover			
	Depth <u>2</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 (%)						
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	
DOMINANT SPECIES					Halosarc Lawrencea Dysphyma	
GRASSES		HERBS		SEDGES		
				over 0.5m	under 0.5m	
LIFE FORM						1m
COVER CLASS (%)	<1	<1			<1	
DOMINANT SPECIES						

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE								
Site No.: 12	Date Assessed			Date Assessed				
A: <i>Halosarcia</i> spp. dwarf scrub heath	12-Jun-98			20/10/98				
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	* <i>Aira caryophylla</i>				10		5	
	* <i>Vulpia bromoides</i>				10			
HS024.17	<i>Actinobole uliginosa</i>				1		5	
~~HS012.09~~	~~<i>Angianthus preissianus</i> sp.~~				15	1		
HS012.04	<i>Atriplex vesicaria</i> subsp. <i>appendiculata</i>	15	2		25	5		✓
HS012.09	<i>Austrostipa juncifolia</i>	35	0.2		50	1		✓
HS024.07	<i>Brachyscome iberidifolia</i>				5		1	
HS024.10	<i>Bromus arenarius</i>				40		0.7	✓
HS012.14	<i>Calandrinia granulifera</i>				5	0.1		✓
	<i>Calandrinia</i> sp.				25	1		
HS012.10	<i>Cotula cotuloides</i>				5		2	
	<i>Crassula colorata</i>				10	2		
HS012.02	<i>Disphyma crassifolium</i> subsp. <i>clavellatum</i>	5	1		5	5		✓
HS012.06	<i>Frankenia</i> ? <i>glomerata</i>	25	0.1		25	0.1		
~~HS012.01~~	~~<i>Halosarcia pergranulata</i> subsp. <i>pergranulata</i>~~	50	55		50	55		✓
~~HS012.05~~	~~<i>Lawrencia squamata</i>~~				30	5		✓
HS012.03	<i>Maireana glomerifolia</i>	40	2		40	2		✓
	<i>Maireana</i> sp.				20	0.5		
HS012.12	<i>Podolepis tepperi</i>				10	0.5		
	<i>Stenopetalum filifolium</i>				20		0.1	
HS012.08	<i>Stylidium repens</i>	5	0.01		0	0		
~~HS012.11~~	~~<i>Triglochin calcitrapum</i>~~				5		1	
~~HS012.13~~	~~<i>Triglochin minutissimum</i>~~				5		0.1	
	<i>Centrolepis humillima</i> (vsp)							

Podolepis stricta

Gnaphosis sp

Suberostegia moniliformis

HY65

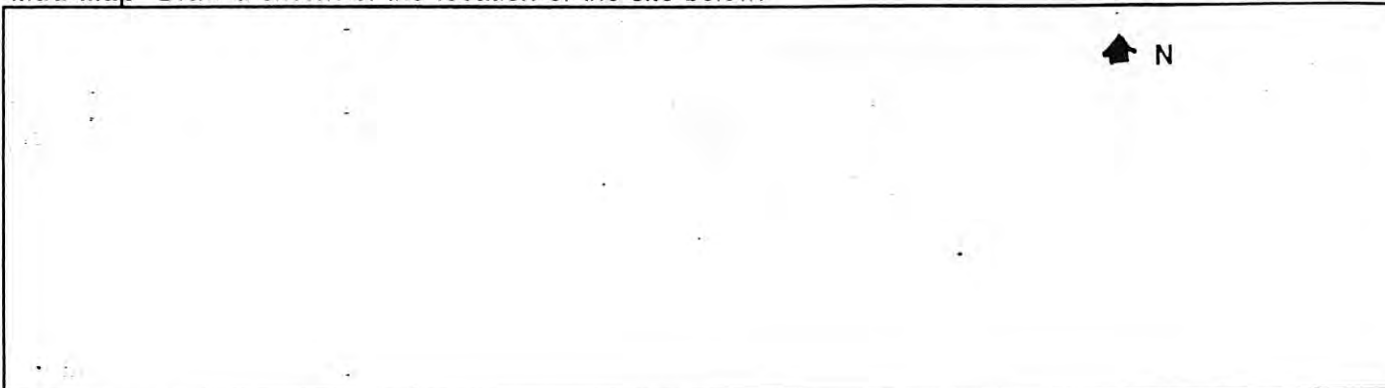
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hurlstone NR SITE NUMBER HS 13
 DATE TRIP 23-8-2000 RECORDERS WM/GK/NG
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS HY66
 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.



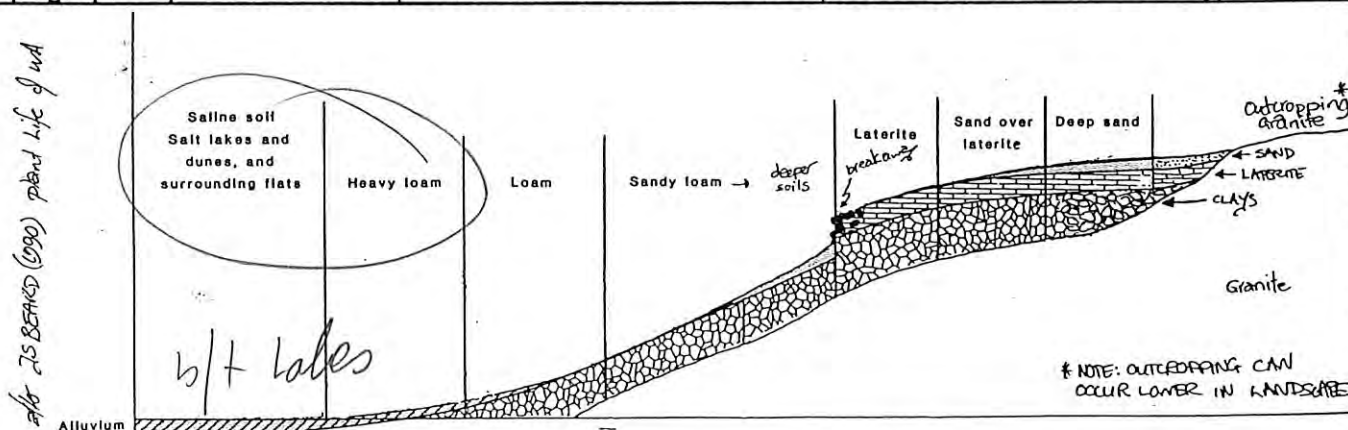
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

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 sandy clay Colour brown
Exposed rock type _____ % surface _____

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

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

Litter vs, logs, twigs % cover 70/90 **Bare Ground** 10/20 %cover
 Depth 0-20 cm

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES			MALLEES		
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	2-10				
DOMINANT SPECIES	Euc. myrsiad E. flocket				
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10				10-30
DOMINANT SPECIES	Mel. pauprif				Atriplex vrsic
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM					
COVER CLASS (%)	<2	<2			
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE							
Site No.: 13		Date Assessed			Date Assessed		
T: <i>Eucalyptus</i> spp. open woodland / woodland		12-Jun-98			20/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Aira caryophylla</i>				10		0.1
HS013.04	<i>Atriplex vesicaria</i>	70	10		70	20	
HS013.07	<i>Austrostipa elegantissima</i>	50	0.01		70	1	
	<i>Crassula colorata</i>				5		0.1
HS013.08	<i>Dodonaea amblyophylla</i>	60	0.1				
HS013.06	<i>Enchylaena tomentosa</i>	50	1.5		50	1.5	
HS013.02	<i>Eucalyptus flocktoniae</i>	1500	4		1500	5	
HS013.01	<i>Eucalyptus myriadena</i>	1500	7		1500	7	
HS013.09	<i>Maireana erioclada</i>	30	0.2		30	0.5	
HS013.03	<i>Melaleuca pauperiflora</i> <i>lanceolata</i>	400	4		400	4	
	<i>Rhagodia preissii</i> <i>drummondii</i>				60	0.5	
HS013.05	<i>Sclerolaena</i> <i>diacantha</i>	15	0.01				
	<i>Senecio</i> sp.				25		0.01
	<i>Gnecotoplesium nigricans</i>						
	<i>Pterodryas</i> (HS11)						

HY66

NSP X

Eriochiton sclerolaenioides
Senna ~~sericea~~ artemisioides

WA herb
ve det

Sclerolaena diacantha

Tree *E. flock* → *E. urne.*

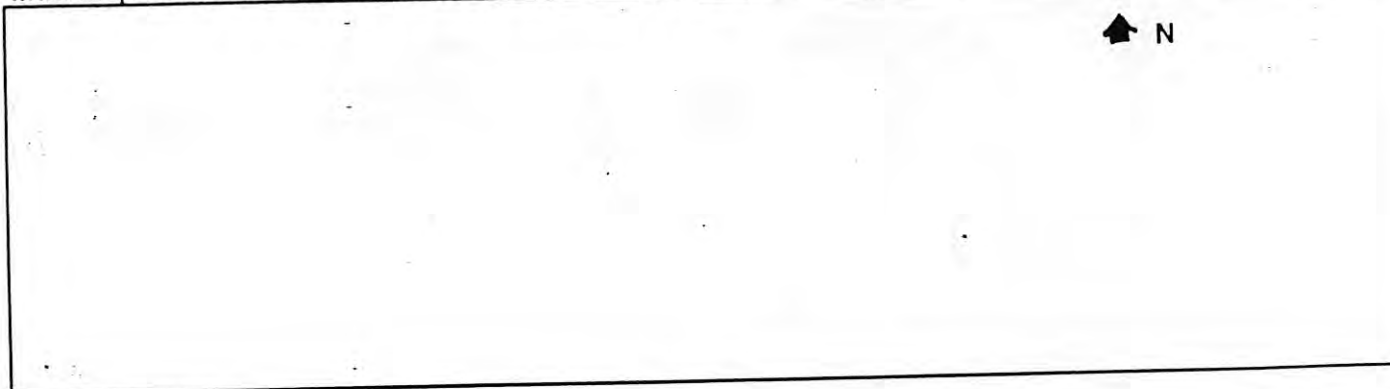
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Harlstone NR SITE NUMBER HS 14
 DATE TRIP 23-8-2000 RECORDERS W/M / N/S / G/K
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS HY/67
 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.

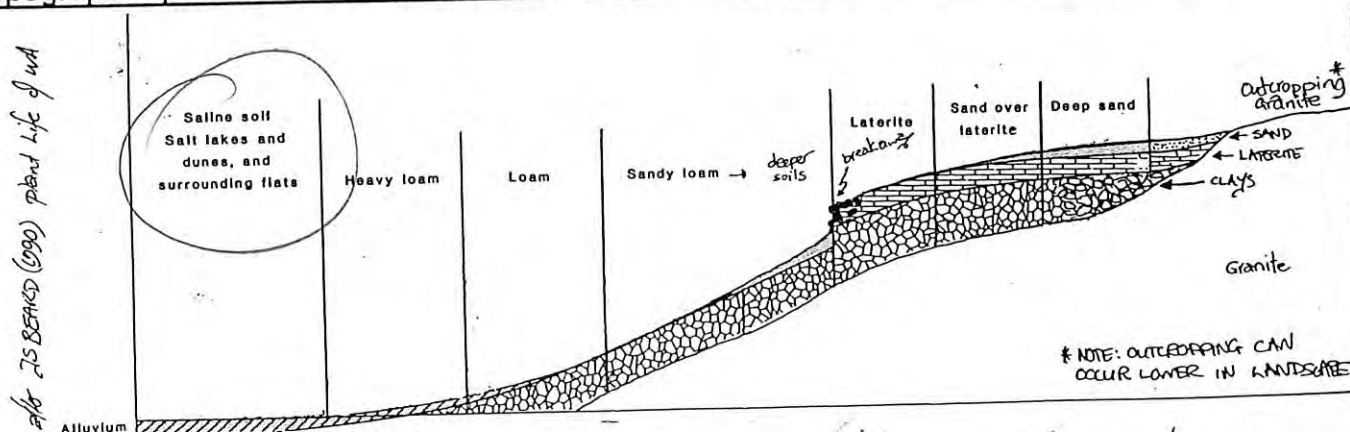


Road Location

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.

rise b/t salt lakes

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					
Rock	type						depth to rock					
Drainage	☒ well	☒ mod	☐ poor	☐ depth	water	cm	Wet	all year	winter/spring			
Litter	vs. twigs, bark			% cover	30/70	Bare Ground			30/50	% cover		
				Depth	2-10							

excellent

LAKE HURLSTONE RESERVE							
Site No.: 14		Date Assessed			Date Assessed		
P: <i>Eucalyptus salmonophloia</i> open woodland		12-Jun-98			20/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Aira caryophylla</i>				5		1
	* <i>Bromus rubens</i>				15		0.5
	* <i>Sonchus oleraceus</i>				45	0.1	
HS014.05	<i>Atriplex vesicaria</i> <i>ssp vesicaria</i>	?	45		70	45	2
HS014.03	<i>Austrodanthonia caespitosa</i>	30	0.5		30	0.5	
HS011.04	<i>Austrostipa elegantissima</i>	30	0.8		60	2	
HS014.04	<i>Eucalyptus myriadena</i>	?	?		2000	25	
	<i>Eucalyptus salmonophloia</i>	2000	15		2000	15	
	<i>Lagenifera ?huegelii</i>				15		0.2
HS014.02	<i>Sclerolaena diacantha</i>	20	0.4		20	2	
	<i>Senecio</i> <i>sp. glossanthus</i>				15	0.1	
	<i>Austrodanthonia caespitosa</i>						

HY67

20x20 same

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hurlstone NR SITE NUMBER HS 15
 DATE TRIP 15-8-2000 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.

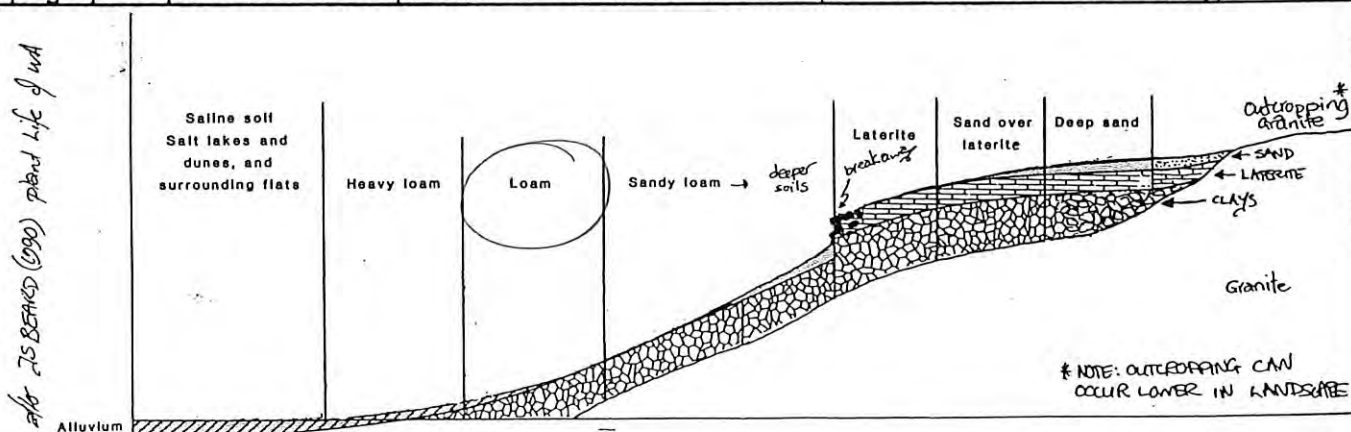


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____

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 _____
 Rock type _____ depth to rock _____
 Drainage well mod poor depth water cm Wet all year winter/spring
 Litter twigs, lvs % cover 30/70 Bare Ground 30/50 % cover
 Depth 2-5 cm

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

3. VEGETATION STRUCTURE AND COVER

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

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

	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)			2-10		
DOMINANT SPECIES			<i>Alloc. huegeliana</i>		
	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10-30	2-10			2-10
DOMINANT SPECIES	<i>Callitris verrucosa</i> <i>Allocas camp</i> <i>Metel uncin</i>	<i>Hakea</i>			<i>Hibbertia exasp</i>
	GRASSES		HERBS	SEDGES	over 0.5m
					under 0.5m
LIFE FORM					
COVER CLASS (%)	<1		2-10		10-30
DOMINANT SPECIES			<i>Borya constrict</i>		<i>Lepidob. chaet</i> <i>Lepidosperma visc</i> " sp

Schoenus calcatus

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE								
Site No.: 15		Date Assessed			Date Assessed			
E1: Allocasuarina - Banksia - Callitris scrub		17-Jun-98			20/10/98			
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	*Aira caryophyllea				10		0.05	
	Acacia assimilis				120	1		
HS015.07	Acacia dielsii	40	1		40	1		
HS015.02	Allocasuarina campestris	150	5		150	15		
HS015.01	Allocasuarina huegeliana	400	15		400	15		
HS015.13	Amphipogon strictus	15	0.2		15	0.2		
	Astroloma serratifolium	10	0.3		10	0.3		
HS015.15	Austrodanthonia sp.	20	0.1					
HS011.04	Austrostipa elegantissima	30	0.1		60	0.5		
HS015.19	Austrostipa semibarbata				50	0.5		
HS015.11	Baeckea crispiflora	40	0.3		40	0.3	0.1	
HS015.10	Billardiera sp.	15	0.5					
	Blennospora drummondii				5		0.1	
HS027.01	Borya sphaerocephala	5	1		5	1		
HS003.19	Callitris preissii subsp. (verrucosa)	250	5	2	250	5	2	
HS015.20	Ceratogyne obionoides				5	0.05		
HS015.12	Cryptandra leucopogon	25	0.3					
	Cryptandra nutans				20	0.1		
HS015.03	Hakea scoparia	160	10	10	160	10	10	
HS015.06	Hibbertia exasperata	30	2		30	4		
HS015.08	Lepidobolus chaetocephalus	20	0.2		20	0.5		
HS015.04	Lepidosperma sp. "Peak Charles National Park"	20	0.7		20	4		
HS015.05	Lepidosperma viscidum	40	2		40	2		
	Monotaxis grandiflora				5	0.01		
HS015.14	Poaceae sp.	30	0.2					
HS015.18	Pterochaeta paniculata				10	1		
HS016.19	Rhodanthe laevis				10	0.1		
HS015.09	Schoenus calcatus	3	2		3	2		
	Trachymene ornata				15	0.05		
HS016.22	Wahlenbergia gracilentia				10	0.01		
	Waitzia acuminata				20	0.05		

HY68

Sm sp
fodder.
hairless from
brun
= off brun

off brun. ann.
(almost
hairless)
USP 25/8/00

Chaemaxeros fimbriata

Melaleuca uncinata

Platysace (sm lvs)

Drosera macrantha

Neerachne alopecuroides

Cassytha

✓ Lepidosperma (terete) sp. K. Bonalini (USP)

✓ Comesperma ~~ciliatum~~ volubile (USP)

Caladenia filamentosa (as b/way site)

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hurlstone NR SITE NUMBER HS 16
 DATE TRIP 25-8-2000 RECORDERS NG/GK/WM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

4469

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.



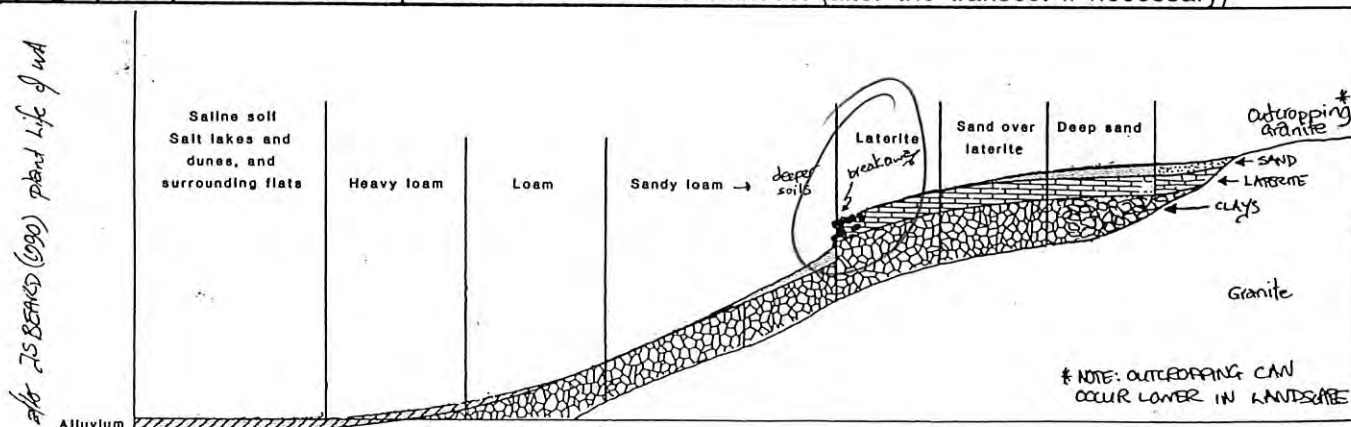
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

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 gritty loamy clay Colour brown
 Exposed rock type _____ % surface _____

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

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

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

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

3. VEGETATION STRUCTURE AND COVER

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

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

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

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 				
COVER CLASS (%)	2-10			2-10	2-10
DOMINANT SPECIES	<i>Sant. acut</i> <i>Alloc. acut</i>			<i>Hakea scop</i> <i>Alloc. canp</i>	<i>Beyeria brevif</i> <i>Crypt. minutif</i> <i>Platysace (lge)</i>

GRASSES		HERBS		SEDGES	
	over 0.5m			over 0.5m	under 0.5m
LIFE FORM	 	 	 	 	
COVER CLASS (%)	2	<1			
DOMINANT SPECIES	<i>Aust. trichop</i>				

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE							
Site No.: 16	Date Assessed			Date Assessed			
X = Breakaway complex (<i>Eucalyptus</i> spp. low woodland)			17-Jun-98		20/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Aira caryophyllea</i>				5		0.01
	* <i>Vulpia bromoides</i>				10		0.01
	<i>Acacia erinacea</i>				5	1	
HS016.04	<i>Allocasuarina campestris</i>	100	3.5	2.5	100	3.5	2.5
HS016.13	<i>Amphipogon strictus</i>	10	0.3				
HS016.20	<i>Austrostipa</i> sp.				30	1.5	
HS016.14	<i>Austrostipa trichophylla</i>	15	0.2		10		0.01
	<i>Billardiera coriacea</i>				T		0.01
	<i>Blennospora drummondii</i>				5		0.05
HS016.07	<i>Cryptandra minutifolia</i> subsp. <i>minutifolia</i>	30	3	0.4	40	3	0.4
HS016.16	<i>Cryptandra nutans</i>	40	0.2		40	0.2	
HS016.15	<i>Dampiera juncea</i>	20	0.4		20	0.4	
HS016.03	<i>Dodonaea amblyophylla</i>	60	1		100	1	
HS016.01	<i>Eucalyptus capillosa</i> subsp. <i>polyclada</i>	600	12		600	40	
HS016.08	<i>Gastrolobium parviflorum</i>	100	1.5		45	0.5	
	<i>Goodenia berardiana</i>				5		0.01
HS016.06	<i>Hakea scoparia</i>	120	3		120	3	
HS016.11	<i>Lepidosperma viscidum</i>	60	0.5		60	0.5	
HS016.10	<i>Melaleuca spicigera</i>	100	1		100	1	
	<i>Neurachne alopecuroides</i>				10	0.5	
HS016.09	<i>Phebalium filifolium</i> <i>tuberculatum</i>	60	0.5		60	0.5	
HS016.05	<i>Platysace</i> (<i>maxwellii</i>) <i>lge lvs</i>	50	3		80	3	
HS016.19	<i>Rhodanthe laevis</i>				5		1
	<i>Santalum acuminatum</i>	170	1.5		170	1.5	
HS016.23	<i>Schoenus nanus</i>				2		0.01
HS016.12	<i>Stenanthemum tridentatum</i>	10	0.3		10	0.3	
HS016.17	<i>Thysanotus patersonii</i>	T	0.01		T	0.1	
HS016.22	<i>Wahlenbergia gracilentia</i>				15		0.01
	<i>Waitzia acuminata</i>				15	0.01	

4469

very narrow leaf

Pterostylis vittata

✓ *Pterostylis recurva*

Thysanotus p

✓ *Caladenia filamentosa* *dimidi* *grp* — ? *polychroma*

✓ " *pulchra* " (red) (VSP)

20+20 *Euc. eremophila*

(5m x 1m bank, 3/4 m. broad, red) // *Euc. ? calycogona* *polystriata* *sch. v. rella* (VSP)

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hurlstone NR SITE NUMBER HS 17
 DATE TRIP 24-8-2000 RECORDERS WM/GK/NG
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

HY70

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.



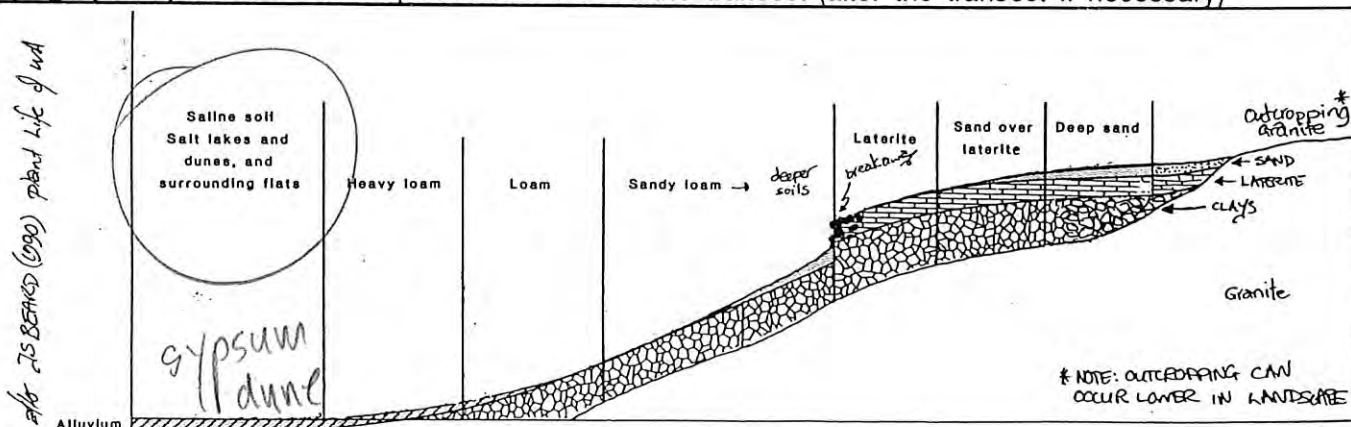
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

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	<u>N</u>	NE	E	SE	S	SW	W	NW
Surface Soil	clay				Colour	gypsum						
Exposed rock	type				% surface							
Sub-surface Soil	clay				Colour							
Rock	type				depth to rock							
Drainage	well	<u>mod</u>	<u>poor</u>	depth water	cm	Wet	all year		winter/spring			
Litter	+wigs, lvs				% cover	10/30		Bare Ground		30/70		% cover
	Depth 2-5				cm							

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

3. VEGETATION STRUCTURE AND COVER

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

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

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

	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		2-10			2-10
DOMINANT SPECIES		<i>Mel. bracteosa</i>			<i>Halosarcia pergranulata</i>

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

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE								
Site No.:17								
A/B = <i>Halosarcia</i> - <i>Atriplex</i> heath, <i>Eucalyptus yilgarnensis</i>		Date Assessed			Date Assessed			
open low woodland - dwarf scrub.		17-Jun-98			19/10/98			
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
HS017.03	<i>Austrostipa juncifolia</i>	90	3		50	3		✓
HS017.05	<i>Carpobrotus modestus</i>	15	0.4		15	0.4		✓
	<i>Crassula colorata</i>				50	0.5		✓
HS017.01	<i>Eucalyptus sargentii</i>	1000	15	8	1000	15	8	✓
HS017.04	<i>Halosarcia pergranulata</i> <i>Sclerostegia moniliformis</i>	30	6	1	30	1	1	✓
HS017.09	<i>Halosarcia pergranulata</i> subsp. <i>pergranulata</i>				40	6	1	✓
HS017.07	<i>Maireana oppositifolia</i>	30	0.2		30	0.5		✓
HS017.02	<i>Melaleuca braeteosa</i> <i>brevifolia</i>	200	5.5		200	5.5		✓
HS019.13	<i>Mesembryanthemum nodiflorum</i>				5	0.5		✓
HS017.06	<i>Osteocarpum salsuginosum</i>	15	0.3		15	0.3		✓
HS017.08	<i>Rhagodia drummondii</i>	30	0.1		30	0.1		✓
	<i>Threlkeldia diffusa</i>							✓

HY70

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hurlstone NR SITE NUMBER HS 18
 DATE TRIP 24-8-2000 RECORDERS WM/NGK/NG
 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.



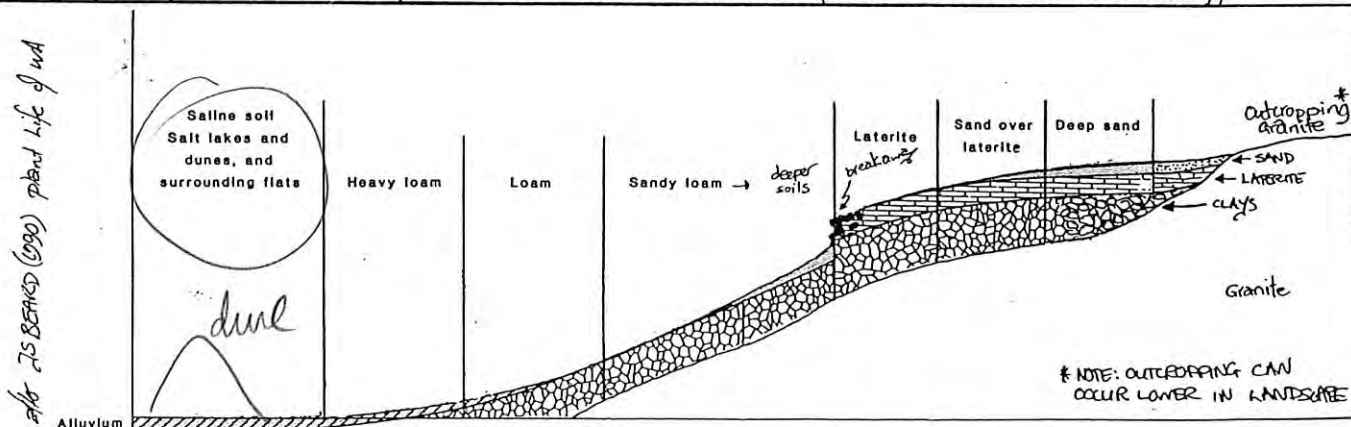
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

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	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW
Surface Soil	<u>sand</u>				Colour	<u>cream</u>						
Exposed rock	type _____				% surface	_____						
Sub-surface Soil	<u>sand</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>10/30</u>		Bare Ground	<u>30/30</u>		% cover	_____		
	Depth <u>2-5</u>		cm	_____								

excellent

HY 71

no spec / on DB

Leucopogon conostephioides

Drosera menziesii -

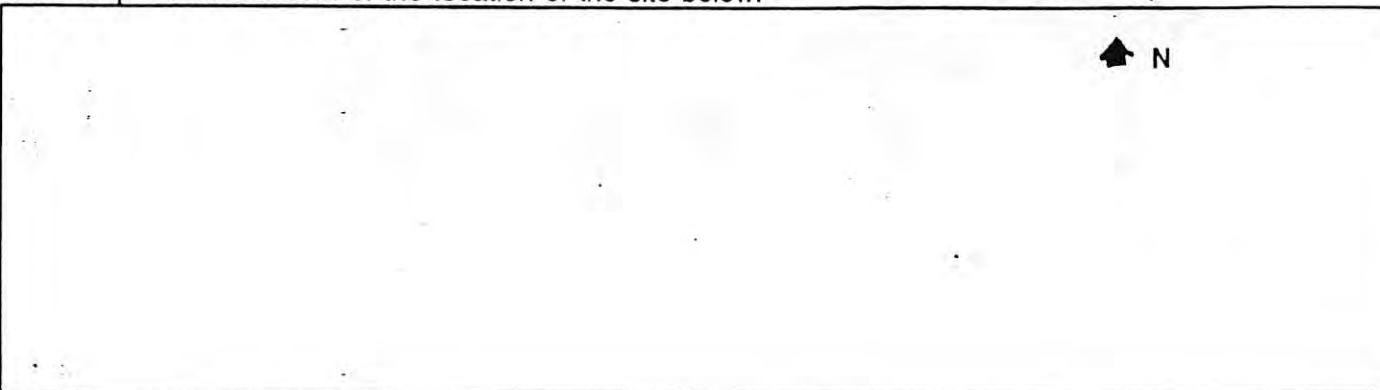
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hursthouse NR SITE NUMBER HS 19
 DATE TRIP 24/8/2000 RECORDERS NG/GK/WAM
 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.

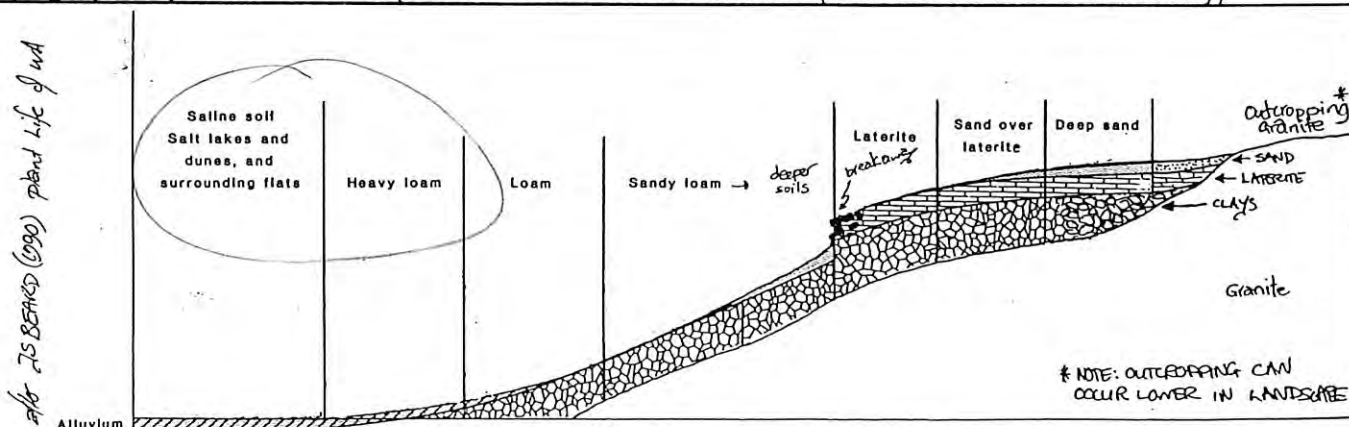


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____

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** 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 log bark, twigs % cover 30/70 **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.

For each layer record - appropriate life form, cover class (see below) and dominant species in each layer.					
Cover Class		2-10%	10-30%	30-70%	over 70%
TREES			MALLEES		
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM			 		
COVER CLASS (%)	2-10			2-10	
DOMINANT SPECIES	<i>Euc. kondin</i>			<i>Euc. yilgarensis</i>	
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM	 				
COVER CLASS (%)	10-30				2-10
DOMINANT SPECIES	<i>M-dal. pauper</i>				<i>Oleoria axillaris</i>
GRASSES		HERBS	SEDGES over 0.5m		under 0.5m
LIFE FORM	 	  	 		 
COVER CLASS (%)	<1	<1			
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

heavily cut over - numerous tumps
ca 40/50 yrs b/f

LAKE HURLSTONE RESERVE								
Site No.: 19	Date Assessed			Date Assessed				
I: <i>Melaleuca quadrifaria</i> woodland	17-Jun-98			20/11/98				
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	* <i>Aira caryophylla</i>				10		0.1	
	* <i>Hypochaeris glabra</i>				10	0.01		
	* <i>Vulpia bromoides</i>				15	0.01		
	<i>Alyxia buxifolia</i>				30	0.1		
HS019.12	<i>Asteridea athrixioides</i>				15	1		
HS019.03	<i>Austrostipa elegantissima</i>	30	0.1		30	0.1		✓
	<i>Enchylaena tomentosa</i>				15	1		✓
HS019.11	<i>Eucalyptus yilgarnensis</i>	800	15		800	15		✓
HS019.05	<i>Exocarpos aphyllus</i>	180	1		180	1		✓
HS019.01	<i>Melaleuca quadrifaria</i>	600	5		600	10		✓
HS019.13	<i>Mesembryanthemum nodiflorum</i>				5	1		✓
HS019.04	<i>Olearia muelleri</i>	40	0.5		40			✓
HS015.14	<i>Poaceae</i> -sp.	10	0.1					
HS019.02	<i>Podolepis capillaris</i>	10	0.1		10	0.01		✓
	<i>Pterostylis</i> sp.				10		0.01	✓
HS019.07	<i>Santalum acuminatum</i>	20	0.1					✓
HS019.06	<i>Scaevola spinescens</i>	40	0.4		40	0.4		✓
HS019.14	<i>Sclerolaena diacantha</i>				5	0.5		✓
	<i>Zygophyllum glaucum</i>				10	0.5		✓

Pterostylis mutica (usp) -
Ptilotus spathulatus -

Millotia tenuifolia -

Austrodanthonia sp -

Austrostipa trichophylla -

~~*Euc*~~ ko

✓✓ 20x20

Euc kondininensis -

HY72

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Harlstone NR SITE NUMBER HS 20
 DATE TRIP 24-8-2000 RECORDERS NG/K/W/M
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

HY73

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.



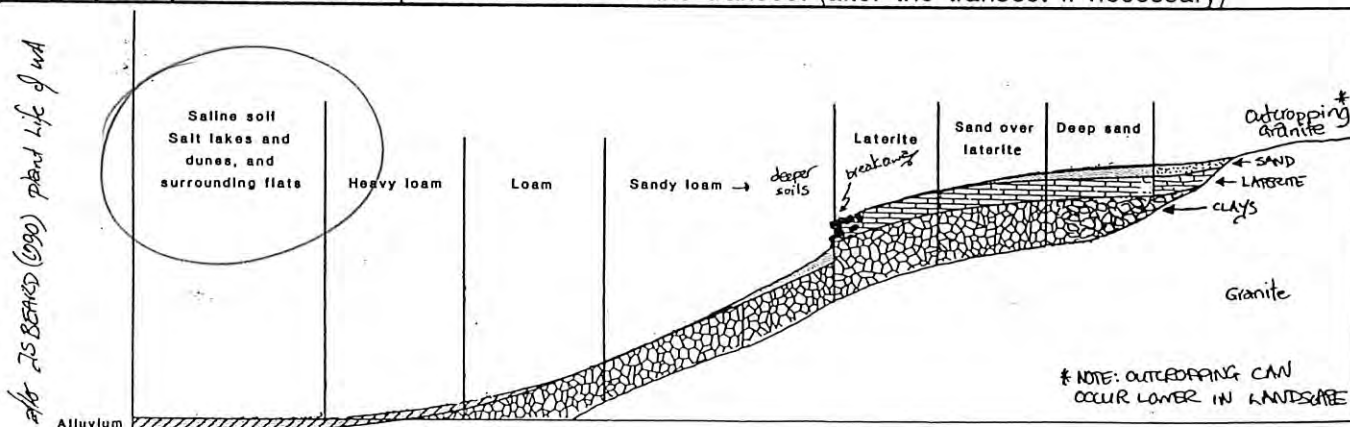
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

Photograph _____ Photographer's Name _____ Photo No _____

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



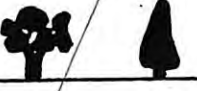
2. SITE DATA Circle the correct response.

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

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

3. VEGETATION STRUCTURE AND COVER

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

For each layer record - appropriate life form, cover class (see column 2) and dominant species					
Cover Class		2-10%	10-30%	30 - 70%	over 70%
TREES					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					10-30
DOMINANT SPECIES					<i>Euc. spathulata</i>
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	30/70				2-10
DOMINANT SPECIES	<i>Mel. laterifl</i> <i>Acacia aneura</i> <i>Mel. uncinata</i>				<i>Hibbertia enervia</i>
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM					
COVER CLASS (%)	2-10	2-10			
DOMINANT SPECIES	<i>Aust. trichoph</i>				

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE							
Site No.: 20	Date Assessed			Date Assessed			
K: <i>Eucalyptus spathulata</i> - <i>Melaleuca uncinata</i> dense shrub mallee	18-Jun-98			26/10/98			
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
HS020.07	* <i>Vulpia bromoides</i>	10	0.1		10		0.1
HS020.04	<i>Acacia ancistrocarpa</i> ssp <i>ancist</i> ✓	200	10	5	200		5
	<i>Austrostipa trichophylla</i>				70	3	
	<i>Brachyscome</i> sp.				5		0.05
	<i>Calandrinia eremaea</i>				5		0.01
	<i>Disphyma crassifolium</i> subsp. <i>clavellatum</i>				5	0.01	
HS020.01	<i>Eucalyptus spathulata</i> <i>sugg</i> <i>randi</i> ssp <i>clup</i> ✓	700	13	5	700	15	5
HS020.05	<i>Hibbertia enervia</i>	50	0.3		50	0.3	
HS020.02	<i>Melaleuca lateriflora</i>	300	15	0.5	300	15	0.3
HS020.03	<i>Melaleuca uncinata</i>	500	8.5		500	9	
	<i>Millotia</i> sp.				2		0.01
	<i>Podotheca angustifolia</i>				5		0.01
HS020.06	<i>Rhagodia drummondii</i>	100	2		80	2	
	<i>Thysanotus patersonii</i>				T		0.01
	<i>Waitzia acuminata</i>				15		3

HY73

Caladenia saccharata ✓

Acacia uncinella ✓

Enchylaena tomentosa ✓

Hydrocotyle callicarpa ✓

20x20 *Euc. spathulata* ✓

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Herbert NR SITE NUMBER HS 22
 DATE TRIP 24-8-2000 RECORDERS NG/GK/WM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

HY74

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.

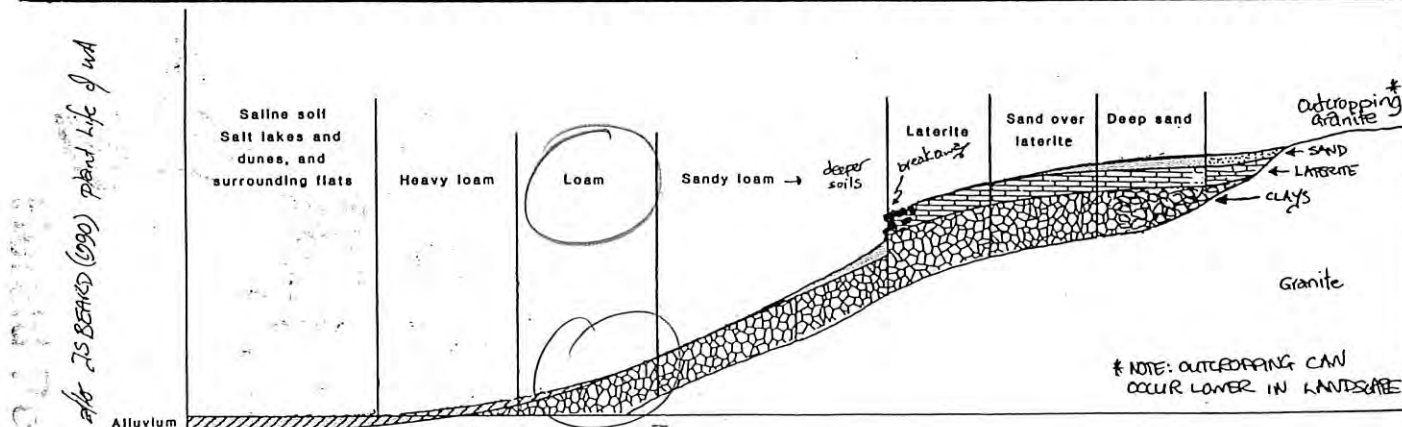


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____

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** brown
Exposed rock type _____ % surface _____

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

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

Litter twigs, lvs, stems % 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 - 15 m		under 5 m		over 8m		under 8m		
LIFE FORM										
									30m	
COVER CLASS (%)									2-10	
DOMINANT SPECIES									<i>Euc. loxophleba</i>	
SHRUBS						SHRUBS				
over 2m		2m - 1.5m		1.5 - 1m		1 - 0.5m		under 0.5m		
LIFE FORM										
									2m	
COVER CLASS (%)	10-30								1m	
DOMINANT SPECIES	<i>Mel. uncin</i> <i>Acac. uncinella</i> <i>Smit. acun</i>								<i>10-30</i> <i>Phacelia tubere</i>	
GRASSES		HERBS		SEDGES		over 0.5m		under 0.5m		
LIFE FORM									1m	
COVER CLASS (%)	2-10		2-10						10-30	
DOMINANT SPECIES	<i>Spartochloa</i> <i>Austrostipa elrg</i>		mixed						<i>Lepidosperma vis</i>	

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE								
Site No.: 22	Date Assessed			Date Assessed				
N: <i>Eucalyptus loxophleba</i> open shrub mallee - low heath	18-Jun-98			21/10/98				
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	* <i>Aira caryophylla</i>				5		0.1	
	* <i>Ursinia anthemoides</i>	10	0.1					
	* <i>Vulpia bromoides</i>				8		0.1	
HS016.13	<i>Amphipogon strictus</i>	5	0.4		5	0.4		
HS022.05	<i>Austrostipa elegantissima</i>	70	1		70	1		✓
HS022.08	<i>Austrostipa trichophylla</i>	30	0.3		30	1		✓
	<i>Calotis hispidula</i>				5		0.01	
HS022.06	<i>Cassutha racemosa</i>	T	0.1					
HS022.10	<i>Chamelaucium ciliatum</i>	40	0.3					✓
	<i>Crassula colorata</i>				5		0.5	
	<i>Dampiera lavandulacea</i>				5	0.1		
HS022.11	<i>Drosera andersoniana</i>				15		0.1	
	<i>Drosera</i> sp- <i>macrantha</i>	T	0.2					
HS022.01	<i>Eucalyptus loxophleba</i> subsp. <i>lissophloia</i>	500	8		500	8		✓
HS022.13	<i>Gonocarpus nodulosus</i>				15		0.1	
	<i>Goodenia berardiana</i> sp				10		0.3	
HS016.11	<i>Lepidosperma viscidum</i>	60	5.5	1.5	60	5.5	1.5	✓
HS022.02	<i>Leptospermum erubescens</i>	140	1.5		140	3		
HS022.14	<i>Lobelia (rhytidospema) gibbosa</i>				10	0.01		
HS020.03	<i>Melaleuca uncinata</i>	250	12		250	12		✓
HS022.09	<i>Mirbelia spinosa</i>	15	0.3		15	0.8		✓
	<i>Monotaxis grandiflora</i>				5	0.1		
	<i>Neurachne alopecuroides</i>				10	0.5		
HS022.04	<i>Phebalium tuberculatum</i>	60	15		60	15		✓
	<i>Plantago</i> (sp.) aff <i>hispidula</i>				5		0.1	
	<i>Podolepis lessoni</i>				15	4		✓
	<i>Podotroche angustifolia</i>				5		0.1	
HS022.07	<i>Santalum spicatum</i>	170	0.8		170	1		✓
HS022.10a	<i>Schoenus nanus</i>				3		1	
HS022.03	<i>Spartochloa scirpoidea</i>	120	6		120	6		✓
	<i>Thelymitra</i> sp.				25	0.01		✓
	<i>Trachymene cyanopetala</i>				15	0.1		✓
	<i>Waitzia acuminata</i>				20	2		✓

Acacia uncinella ✓

Caladenia ~~*filamentosa*~~ *microchila* ✓

Thysanotus patersonii ✓

Velleia cynopotamica ✓

HY74

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hurlstone NR SITE NUMBER H523
 DATE TRIP 24/8/2000 RECORDERS _____
 DATE TRIP _____ RECORDERS HY75
 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 727720

Grid Zone 50 727720 63950385 3.5

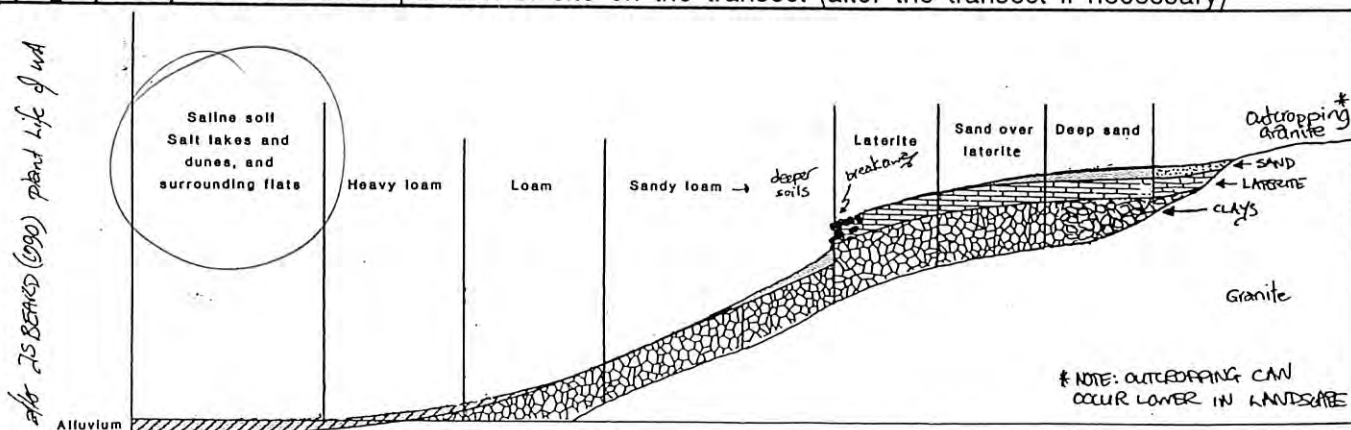
Geographic Location Latitude _____ S Longitude _____ E Altitude _____

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 sand Colour brown
 Exposed rock type _____ % surface _____

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

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

Litter lvs, twigs, bark % cover 70/90 Bare Ground 10/30 %cover
 Depth 2-20 cm

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					10-30
DOMINANT SPECIES					<i>Euc. spathul</i>
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10/30				10/30
DOMINANT SPECIES	<i>Mel. pauperif</i> <i>Sant. decum</i> <i>Mel. uncin</i>				<i>Rhaq. drumm</i> <i>Carpobrotus</i> <i>Atriplex</i>
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	2-10	2-10			
DOMINANT SPECIES	<i>Austros. trichop</i>	<i>Lom. miscanth</i>			

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE								
Site No.: 23				Date Assessed			Date Assessed	
N: <i>Eucalyptus loxophleba</i> shrub mallee				18-Jun-98			21/10/98	
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	* <i>Aira caryophyllea</i>	10	1		10	1		
	* <i>Bromus catharticus</i>				20		10	
	* <i>Hypochaeris glabra</i>	2	0.2		5	0.2		✓
	* <i>Ursinia anthemoides</i>	2	0.05		30		3	✓
	* <i>Vulpia bromoides</i>				10		15	✓
	Asteraceae sp.				5		2	✓
HS023.01	<i>Astroloma epacridis</i>	50	1		40	0.5		✓
HS015.15	<i>Austroanthonia</i> sp.	15	1					✓
HS024.07	<i>Brachyscome iberidifolia</i>				1	0.5		✓
	<i>Calandrinia eremaea</i>				20	0.5		✓
HS007.07	<i>Carpobrotus</i> sp. <i>modestus</i> / <i>rossii</i>	5	0.2		5	0.5		✓
HS023.06	<i>Chamaexeros fimbriata</i>	40	0.1		40	0.1		✓
HS023.03	<i>Enchylaena tomentosa</i>	20	1		20	1		✓
HS023.07	<i>Eucalyptus spathulata</i> <i>largensis</i>	500	20	2	500	20	2	✓
	<i>Lepidium rotundum</i>				5		0.1	✓
HS023.04	<i>Lycium australe</i>	160	0.6		160	0.6		✓
	<i>Melaleuca pauperiflora</i>				600	15		✓
HS020.03	<i>Melaleuca uncinata</i>	400	4		400	3		✓
HS023.02	<i>Olearia</i> sp. <i>muricata</i>	30	1		30	1		✓
HS017.06	<i>Osteocarpum salsuginosum</i>	10	0.2					✓
HS023.05	Poaceae sp.	10	0.1					✓
	<i>Podolepis capillaris</i>				15	0.1		✓
	<i>Podolepis lessonii</i>				15		1	✓
HS023.11	<i>Ptilotus spathulatus</i> forma <i>spathulatus</i> sp <i>Saetlala</i>				5	0.1		✓
HS020.06	<i>Rhagodia drummondii</i>	25	3	1	40	5		✓
HS022.07a	<i>Santalum acuminatum</i>	300	6		300	10		✓
	<i>Senecio</i> sp. <i>glossanthus</i>				25		1	✓
	<i>Threlkeldia diffusa</i>				5	0.5		✓
HS023.12	<i>Trachymene</i> sp. <i>cyanopetala</i>				5		0.01	✓
HS016.22	<i>Wahlenbergia gracilentia</i>				10		0.01	✓

HY75

Lom
micrantha
ssp teret

chuck

Eragrostis dielsii

Dysphyma crassifolium ssp *clav*

Thysanotus patersonii

Atriplex paludosa

Microclybe pauciflora

Nicotiana occid

Austrostipa trichophylla

Hypochaeris glabra

Plantago aff hispidula

Triglochin calcarata

Austrostipa elegant

✓ *Lomandra micrantha*
ssp *teretif*

✓ *Gahnia* sp *L*
(usp)

✓ AD5 *Halosarcia lutea*

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hartstave NR SITE NUMBER HS 24
 DATE TRIP 23-8-2000 RECORDERS WM/GK/NG
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

#76

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.

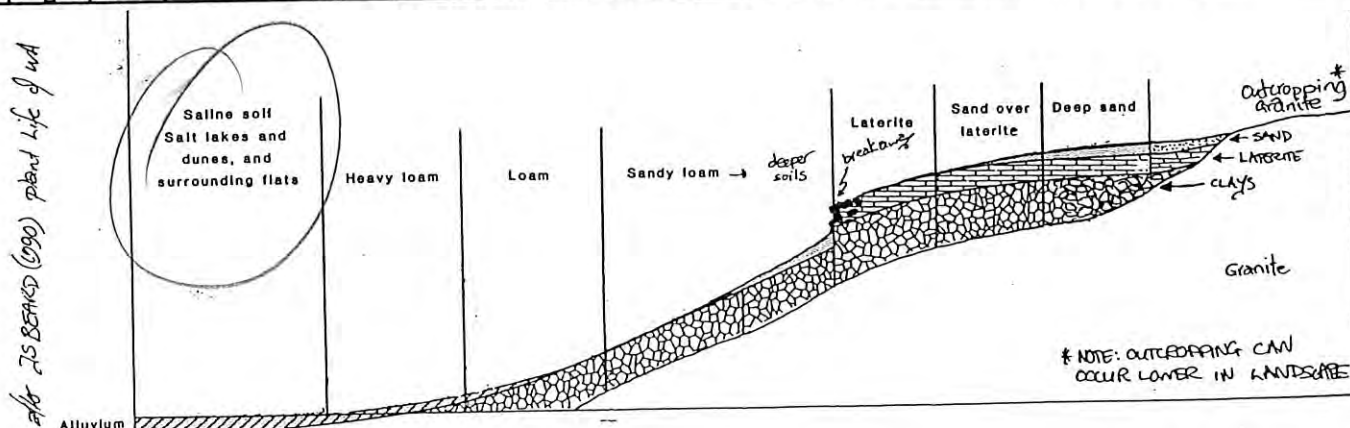


Road Location

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	<u>flat</u> gentle steep	Aspect	N NE E SE S SW W NW
Surface Soil	<u>sandy clay</u>	Colour	<u>grey</u>
Exposed rock	type _____	% surface	_____
Sub-surface Soil	<u>clay</u>	Colour	<u>saline</u>
Rock	type _____	depth to rock	_____
Drainage	well mod <u>poor</u>	depth water	cm <u>Wet</u> all year <u>winter/spring</u>
Litter	<u>vs. twigs</u>	% cover	<u>10/30</u>
Bare Ground	<u>50</u>	% cover	_____
Depth	<u>2</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					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)					30/70
DOMINANT SPECIES					<i>Atriplex vesicaria</i> <i>Lawsonia squamata</i> <i>Diospyros clavata</i>
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10	2-10			
DOMINANT SPECIES	<i>Eragrostis dielsii</i>	MIXED			

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE								
Site No.: 24	Date Assessed			Date Assessed				
A: Halosarcia - Atriplex heath	18-Jun-98			20/10/98				
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	*Aira caryophylla	10	5	2	10	7		
HS024.06	*Alyssum linifolium				15			1
	*Bromus rubens				15	0.5		
	*Hypochaeris glabra	2	5					
	*Sonchus oleraceus	4	0.1		20	0.5		✓
HS024.16	*Trifolium arvense subsp. arvense				10	0.01		
	*Trifolium campestre	3	0.1		5	0.5		
	*Ursinia anthemoides				15			0.1 ✓
	*Vulpia bromoides				15	3		12 ✓
HS024.17	Actinobole uliginosa				1	0.3		✓
HS011.03	Atriplex vesicaria subsp. appendiculata	30	20		30	20		✓
HS024.02	Austrostipa elegantissima	30	0.05	0.2	30	1		✓
✓ HS024.09	Austrostipa pycnostachya				40	1		✓
HS024.07	Brachyscome iberidifolia				5			0.5 ✓
HS024.20	Calandrinia eremaea				10	0.5		
HS024.15	Calandrinia granulifera				5	0.01		
HS024.12	Calandrinia sp.				20	0.1		
	Chenopodiaceae sp.				20	1		
	Crassula colorata				5	5		✓
	Disphyma crassifolium subsp. clavellatum				5	1		✓
HS024.05	Frankenia glomerata	20	17	1	20	1		✓
	Gnephosis sp.				5			1 ✓
HS024.11	Lawrencia squamata				30	18		
	Lepidium rotundum				5	0.1		✓
HS024.13	Maireana glomerifolia				40	3		
HS024.04	Mesembryanthemum crystallinum	5	5					
HS024.14	Microseris scapigera				30	0.1		✓
HS024.18	Poaceae sp.				20	0.1		
HS016.19	Rhodanthe laevis				5			5 ✓
HS024.01	Senecio ?lautus	5	0.1					
	Senecio sp.				20	0.1		
HS024.08	Triglochin centrocarpum				5			0.1 ✓

HY 76

Carpobrotus modestus

✓ Stenopetalum salicola

Hypochaeris glabra

✓ Millotia tenuifolia mysotridifolia

Halosarcia indica

Bromus aenarius

Didymanthus roei

~~Lemnandra micrantha ssp. teretifolia~~ ✓ (vsp)

~~Salmia~~ ✓

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hurstville NR SITE NUMBER H525
 DATE TRIP 23-8-2000 RECORDERS WIM/GK/NG
 DATE TRIP _____ RECORDERS _____ HY77
 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.



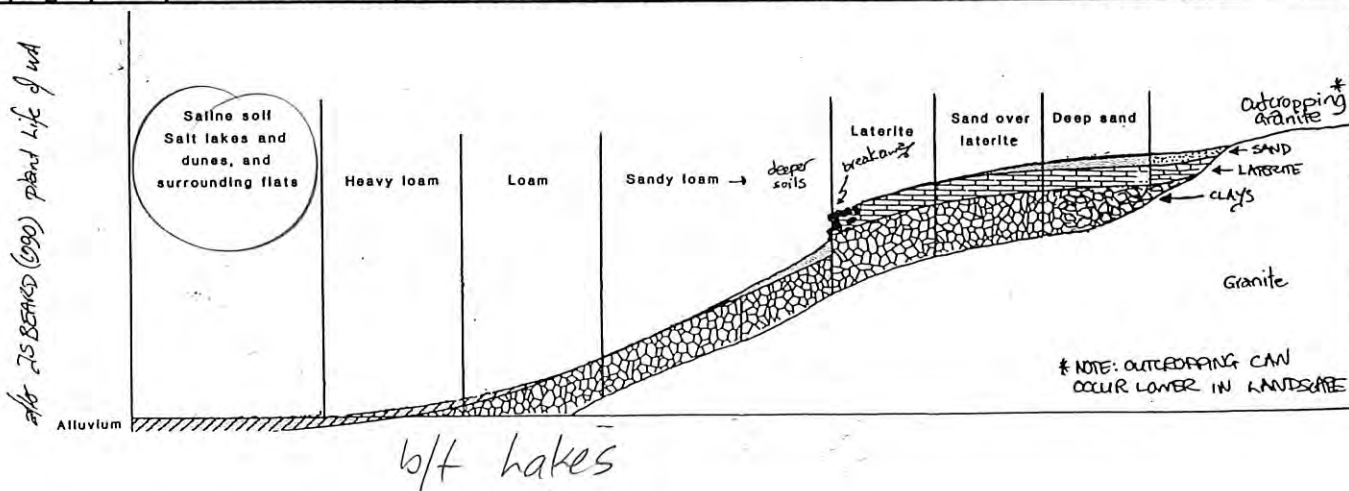
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

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** brown
Exposed rock type _____ % surface _____

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

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

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

excellent

HY 77

LAKE HURLSTONE RESERVE								
Site No.: 25	R/D = <i>Eucalyptus longicarnis</i> woodland			Date Assessed			Date Assessed	
	<i>Eucalyptus yilgarnensis</i> low woodland			18-Jun-98			20/10/98	
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	* <i>Bromus rubens</i>				15	0.1		
HS025.01	<i>Atriplex vesicaria</i> <i>vsp vesicaria</i>	80	8		100	15		✓
HS025.07	<i>Austrodanthonia caespitosa</i>				15	0.1		✓
HS022.05	<i>Austrostipa elegantissima</i>	60	3		180	5		✓
	<i>Calotis hispidula</i>				5		0.1	
	<i>Crassula colorata</i>				5		1	✓
HS023.03	<i>Enchylaena tomentosa</i>	10	2.5		10	0.5		✓
	<i>Erymophyllum ramosum</i> subsp. <i>ramosum</i>				15	1		
HS025.04	<i>Eucalyptus yilgarnensis</i>	800	30		800	30		✓
HS006.27	<i>Lepidium rotundum</i>				10		0.1	✓
HS023.04	<i>Lycium australe</i>	100	0.8		40	0.3		✓
HS025.02	<i>Olearia muelleri</i>	50	0.8		50	1		✓
HS025.03	<i>Pittosporum phylliraeoides</i> var. <i>microcarpa</i>	120	0.3		120	0.5		✓
HS025.08	<i>Plantago turrifera</i>				5		0.2	
HS025.09	<i>Pogonolepis stricta</i>				5		2	
HS016.19	<i>Rhodanthe laevis</i>				5		0.1	
	<i>Scaevola spinescens</i>				50	0.1		✓
HS025.06	<i>Sclerolaena diacantha</i>				15	1		✓
	<i>Senecio</i> ~~sp.~~ <i>glossanthus</i>				20		3	✓
HS022.06a	<i>Thysanotus patersonii</i>	T	0.1		T			✓

✓ *Caladenia* (~~HS4~~) *sigmoidea* *vsp*

✓ *Pterostylis* (~~HS4~~) *mutica* *vsp*

Austrostipa trichophylla

Podolepis pepperi

Ptilotus spathulatus

Stellaria filiformis

Eremophila decipiens

Aira caryophyllaea

20x20

Euc longicarnis

checks. X

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA LAKE H SITE NUMBER HS 26
 DATE TRIP 23-8-2000 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.

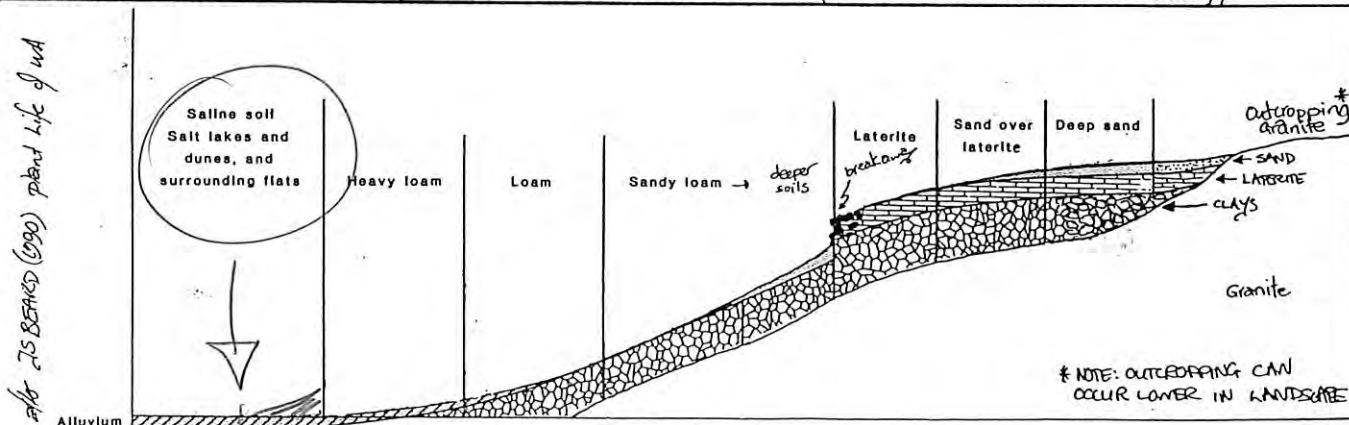


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____

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	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW
Surface Soil	<u>sandy clay</u>							Colour	<u>brown</u>			
Exposed rock	type _____							% surface	_____			
Sub-surface Soil	<u>clay</u>							Colour	_____			
Rock	type _____							depth to rock	_____			
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year	winter/spring	_____			
Litter	lvs, logs, twigs	% cover	<u>70-90</u>		Bare Ground	<u>10-30</u>	% cover	_____				
	Depth	<u>2-20</u>	cm	_____								

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

3. VEGETATION STRUCTURE AND COVER

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

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

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

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM	 				
COVER CLASS (%)	2			10-30	
DOMINANT SPECIES	<i>P. Hos. phily</i> <i>Hakea complanata</i>			<i>Atipl. vesic</i> <i>Erem. decip</i> <i>Lycium aulst</i>	

GRASSES		HERBS		SEDGES	
	over 0.5m			over 0.5m	under 0.5m
LIFE FORM	 	 	 	 	
COVER CLASS (%)	10/30	10-30			<1
DOMINANT SPECIES	<i>Austrost. trichop</i> " ?eleg.	<i>Lom. effusa</i>			

4. VEGETATION CONDITION

Comments

Comments
excellent

LAKE HURLSTONE RESERVE								
Site No.: 26	Date Assessed			Date Assessed				
D: <i>Eucalyptus yilgarnensis</i> low woodland	18-Jun-98			20/10/98				
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	<i>*Bromus rubens</i>				20		1.5	
	<i>*Vulpia bromoides</i>				20		3	
	<i>Asteridea athrixioides</i>				30	2	3	
HS025.01	<i>Atriplex vesicaria</i>	70	5.5		70	8		
	<i>Austroanthonia caespitosa</i>				30	0.1		
HS022.05	<i>Austrostipa elegantissima</i>	50	0.5		50	0.5		
HS026.02	<i>Austrostipa trichophylla</i>	30	0.5		30	0.5		
HS026.09	<i>Blennospora drummondii</i> <i>phlegmatocarpa</i>				5		0.01	
	<i>Calandrinia eremaea</i>				15		0.01	
	<i>Calotis hispidula</i>				5		0.01	
	<i>Crassula colorata</i>				5		1	
HS023.03	<i>Enchylaena tomentosa</i>	20	1		20	1		
HS026.08	<i>Eremophila deserti</i>				200	1		
HS022.06b	<i>Eremophila decipiens</i>	T	0.1		40	3		
	<i>Erymophyllum ramosum</i> subsp. <i>ramosum</i>				10	0.5		
HS026.01	<i>Eucalyptus yilgarnensis</i>	800	25		800	25		
HS026.03	<i>Hakea commutata</i> <i>nauyasana</i>	140	2		140	3		
	<i>Lepidium rotundum</i>				15		0.01	
HS023.04	<i>Lycium australe</i>	30	1		80	1		
HS025.02	<i>Olearia muelleri</i>	50	0.7		50	1		
	<i>Plantago</i> sp. (<i>aff hispidula</i>)				15		0.5	
	<i>Podolepis capillaris</i>				30		2	
HS026.11	<i>Pogonolepis stricta</i>				10		0.01	
X	<i>Sclerolaena</i> sp. <i>diacantha</i>				20	1		
X	<i>Senecio</i> sp. <i>glossanthus</i>				30		0.5	
HS026.10	<i>Stellaria filiformis</i>				10		0.01	
HS026.05	Unknown sp.	30	0.1					

Podolepis tepperi

Thysanotus patersonii

Exocarpus aphyllus

Pithecolium philyraeoides var *microcarpa*

✓ *Caladenia* (as HS11) *sigmoidea*

Daucus glochidiatus

✓ *Pterostylis* (as HS11) *mutica*

20x20 *Euc. longicornis*

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hurlstone NR SITE NUMBER HS 27
 DATE TRIP 24/8/2000 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.



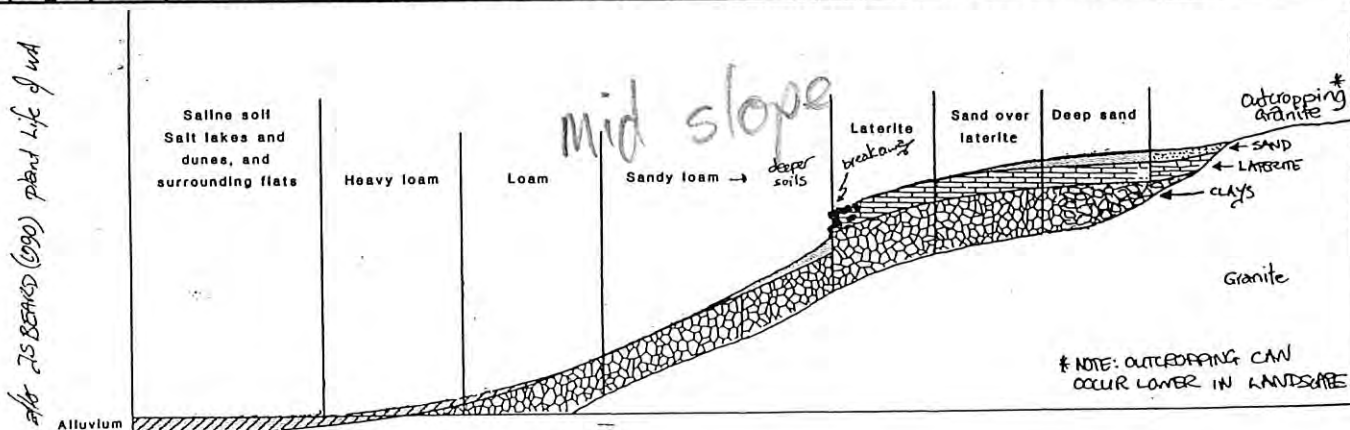
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

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 sandy/clay **Colour** yellow
Exposed rock type _____ % surface _____

Sub-surface Soil type clay & gravel **Colour** _____
Rock type laterite depth to rock _____

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

Litter lvs, twigs % cover 10/30 **Bare Ground** 30/50 % cover
 Depth 2-3 cm

banat c 20 yrs b/f

HY-79

base
osp. //

~~trans~~
~~osp.~~ //

char

No spec ops

No spec ops

Chaemaxeros fimbriata

~~Baeckea preissiana~~ aff. ~~floribunda~~ ✓

Pterostylis vittata ✓

Haemodorum discolor -

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Hurlstone NR SITE NUMBER HS 28
 DATE TRIP 24-8-2000 RECORDERS WM/GK/NG
 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.

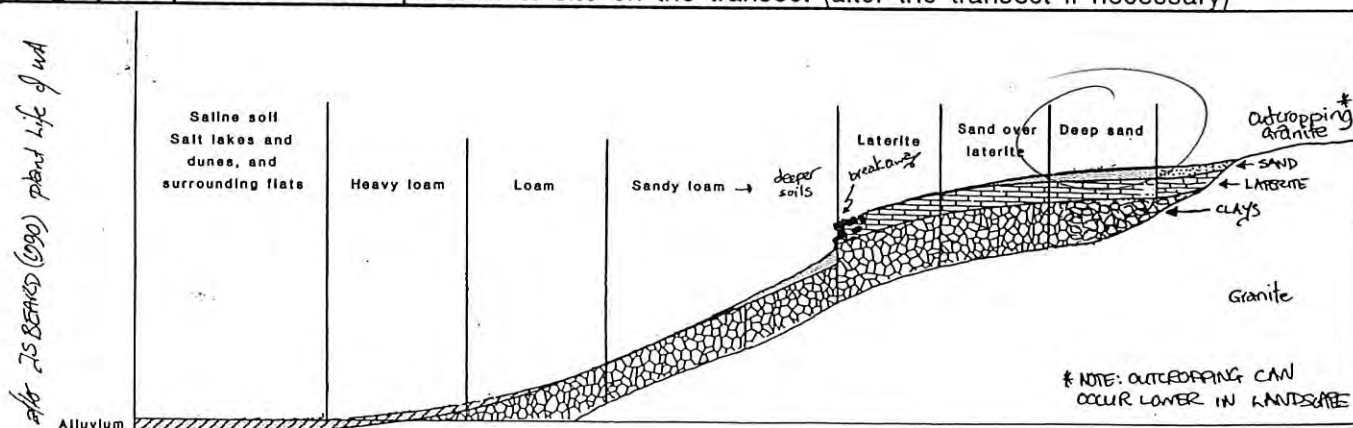


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____

Photograph _____ Photographer's Name NG Photo No 27

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



2. SITE DATA Circle the correct response.

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

Surface Soil sandy clay Colour 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 lwk, lvg, twigs % 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					
COVER CLASS (%)					10-30
DOMINANT SPECIES					Euc hypoch Euc phnax
	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		2-10	10-30		10-30
DOMINANT SPECIES		Mel. eucroata NA	Mel. uncin Mel. pentag		Dodonaea Phebal filif Crypt minutif Wikstring cyph
	GRASSES	HERBS	SEDGES	over 0.5m	
				under 0.5m	
LIFE FORM					
COVER CLASS (%)	<1	<1		2-10	
DOMINANT SPECIES				Lepidosperma	

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE							
Site No.: 28		Date Assessed			Date Assessed		
J: Shrub mallee		18-Jun-98			20/10/98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	<i>Acacia hemiteles</i>				60	0.1	
HS016.07	<i>Cryptandra minutifolia</i> subsp. <i>minutifolia</i>	40	7	2			
	<i>Cryptandra nutans</i>				40	0.5	
HS028.09	<i>Dodonaea bursariifolia</i>	40	2		40	0.2	
HS028.16	<i>Eucalyptus hypochlamydea</i> subsp. <i>ecdysiastes</i>				200	5	
HS028.01	<i>Eucalyptus phenax</i> (VSP)	450	15		450	15	
HS028.10	<i>Grevillea acuaria</i>	90	0.4		90	0.4	
HS028.13	<i>Hakea lissocarpa</i>	50	0.3		40	0.1	
HS028.15	<i>Lepidosperma</i> sp. off <i>Squam. hirs.</i> "bristles"	30	0.5		30	1	
HS022.02	<i>Leptospermum erubescens</i>	40	0.2				
HS028.14	<i>Lomandra effusa</i>	40	0.3		40	0.3	
	<i>Lomandra hermaphrodita mucronata</i>				20	0.01	
HS028.02	<i>Melaleuca eleuterostachya</i>	170	6		170	8	
HS028.05	<i>Melaleuca taxiflora</i> spiciger	55	11		55	11	
HS028.07	<i>Melaleuca pentagona</i>	50	1		50	1	
HS028.03	<i>Melaleuca uncinata</i>	150	7		100	7	
HS028.11	<i>Phebalium filifolium</i>	70	0.5		70	0.05	
HS022.04	<i>Phebalium tuberculatum</i>	40	3		40	3	
	<i>Platysace maxwellii</i> check sm leaf				30	0.1	
	<i>Thysanotus patersonii</i>				T		0.01
HS028.12	Unknown sp.	30	0.3		40	0.5	
HS028.06	<i>Westringia cephalantha</i>	30	0.5		30	1	

Acacia uncinella (VSP) ✓

Acacia ~~aria~~ *lissocarpa* var. *sedifolia* ✓

Gnietoplesium nigricans (VSP) ✓

Beyeria brevifolia ✓

Neurachne alopecuroides ✓

✓ *Acacia* sp. (? *harveyi*) *chryseola* ✓

Guchinenotia micrantha ✓

HY80

// same
but stands.

dealy

✓

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Heraldston NR SITE NUMBER HS 29
 DATE TRIP 24-8-2000 RECORDERS GK/NG/WM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____ #781
 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.



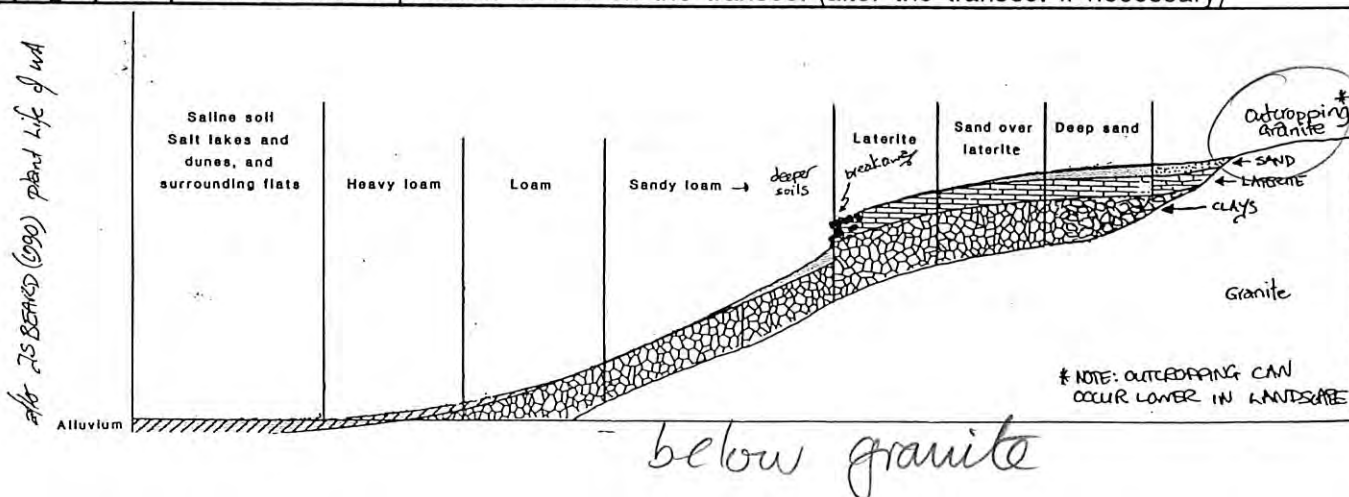
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

Photograph _____ Photographer's Name NG Photo No 28

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



2. SITE DATA Circle the correct response.

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

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

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

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

Litter bark, VS, twigs % cover 30/70 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.

		TREES			MALLEES	
		over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM						
COVER CLASS (%)			10-30			2
DOMINANT SPECIES			Euc. salmon			Euc
		SHRUBS			SHRUBS	
		over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM						
COVER CLASS (%)		2-10				(10)
DOMINANT SPECIES		Pittospor. phily				Rhag pruss Scaev spin
		GRASSES		HERBS	SEDGES	
				over 0.5m	under 0.5m	
LIFE FORM						
COVER CLASS (%)		2				
DOMINANT SPECIES		Lom effusa				

4. VEGETATION CONDITION

Comments

regrowing — ? cleared or felled in past

LAKE HURLSTONE RESERVE							
Site No.: 29	Date Assessed			Date Assessed			
S: <i>Eucalyptus salmonophloia</i> woodland	18-Jun-98			20/10/98			
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Aira caryophyllea</i>				10		0.5
	* <i>Ursinia anthemoides</i>				15		0.2
HS029.03	<i>Acacia hemiteles</i>	100	4		100	6	✓
HS029.04	<i>Alyxia buxifolia</i>	100	0.5		100	0.5	✓
HS015.15	<i>Austrodanthonia</i> sp.	15	0.1		15	0.1	✓
HS015.19	<i>Austrostipa semibarbata</i>				40	0.5	✓
HS011.04	<i>Austrostipa elegantissima</i>	15	0.05				✓
	<i>Calandrinia eremaea</i>				20	0.4	
	<i>Calandrinia</i> sp.				5	0.01	
HS029.09	<i>Cassyltha melantha</i>				T	0.1	
	<i>Crassula colorata</i>				5	0.1	
✗	✗ <i>Dianella revoluta</i> <i>brevicaulis</i>	60	0.2		60	0.2	✓
	<i>Eremophila drummondii</i>				60	0.5	✓
HS029.10	<i>Eremophila glabra</i> subsp. <i>elegans</i> ms				20	0.5	✓
✗ HS029.08	<i>Eucalyptus kondininensis</i> - NO	600	10		600	10	
	<i>Eucalyptus salmonophloia</i>	1200	15		1200	15	✓
	~~<i>Logania serpyllifolia</i>~~	20	1				
HS029.02	<i>Lomandra effusa</i>	25	0.3		25	0.3	✓
	<i>Olearia axillaris</i>				60	0.5	
HS029.05	<i>Pittosporum phylliraeoides</i> var. <i>microcarpa</i>	80	2		80	2	✓
HS029.06	<i>Rhagodia preissii</i>	50	1.2		50	1.2	✓
HS029.07	<i>Scaevola spinescens</i>	40	0.5		40	0.5	✓
HS029.01	<i>Templetonia sulcata</i>	40	1		40	1	✓
	~~<i>Tetrahena laevis</i>~~	15	0.05				
	<i>Westringia rigida</i>				30	0.5	✓

Pentastichis airoides
Eucalyptus pileata (M, 8m, smth grey bark, in long
 lvs green, strips)

WA herb
 rec'd from
 trees ADJ

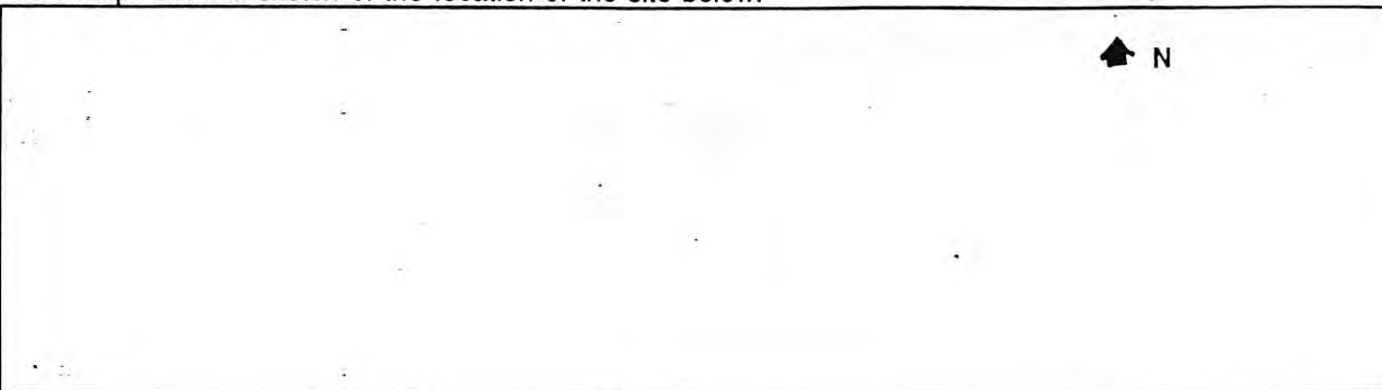
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Lake Harlstone NR SITE NUMBER HS 30
 DATE TRIP 24/8/2000 RECORDERS GK/NG/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.

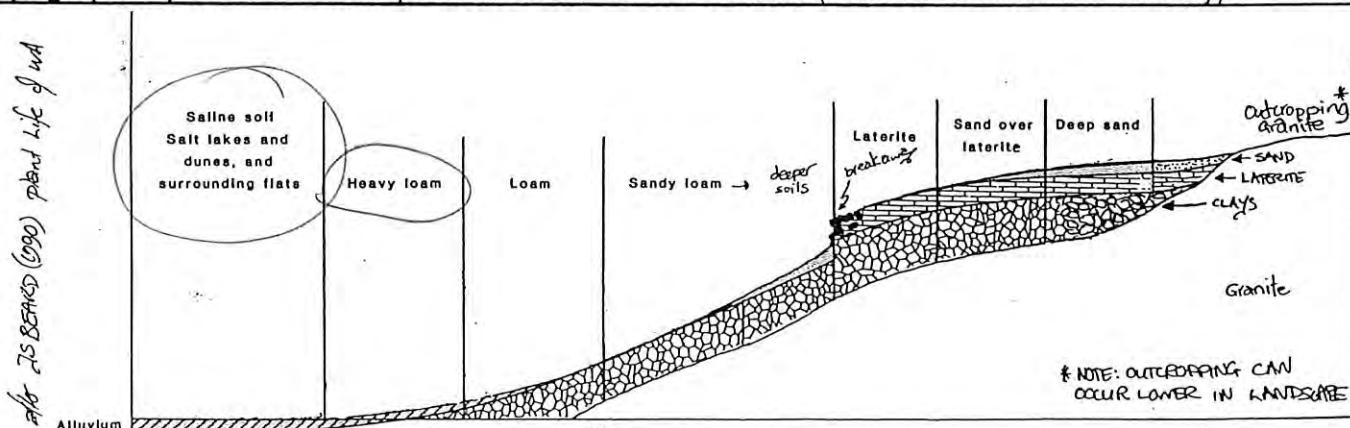


Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____
 Reference Map _____

Photograph _____ Photographer's Name _____ Photo No _____

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



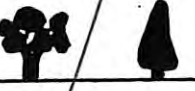
2. SITE DATA Circle the correct response.

Slope	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW
Surface Soil	<u>clay loam</u>			Colour	<u>red-brown</u>							
Exposed rock	type _____			% surface	_____							
Sub-surface Soil	<u>clay</u>			Colour	_____							
Rock	type _____			depth to rock	_____							
Drainage	<u>well mod</u>	poor	depth water	cm	Wet	all year		winter/spring				
Litter	<u>logs, twigs, lvs</u>			% cover	<u>70/90</u>			Bare Ground	<u>10/30</u>			% cover
	Depth <u>2-20</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.

For each layer record - appropriate life form, cover class (see below), and dominant species in each					
Cover Class		2-10%	10-30%	30-70%	over 70%
TREES					
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	10-30				
DOMINANT SPECIES	<i>Euc. longicornis</i>				
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM	(10) 				(10) 
COVER CLASS (%)	10-30				10-30
DOMINANT SPECIES	<i>Melal. pauciflora</i> <i>Exocarp. laeophyll</i>				<i>Olearia muricaria</i> <i>Rhagodia</i>
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM					
COVER CLASS (%)	<1	<1			
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

excellent

LAKE HURLSTONE RESERVE							
Site No.: 30	Date Assessed			Date Assessed			
R: <i>Eucalyptus longicornis</i> woodland	18-Jun-98			20/10/98			
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Aira caryophylla</i>				10		0.01
	* <i>Vulpia bromoides</i>				10		0.01
HS015.15	<i>Austrodanthonia caespitosa</i>	15	0.2		15	0.2	
HS015.19	<i>Austrostipa semibarbata</i>				40	0.5	
	<i>Calandrinia</i> sp.				20	0.4	
HS030.07	<i>Calotis hispidula</i>				5	5	0.01
HS029.09	<i>Cassutha melantha</i>				T	0.1	
HS030.03	<i>Enchylaena tomentosa</i>	10	0.5		30	2	
HS029.10	<i>Eremophila glabra</i> subsp. <i>elegans</i> ms				20	0.5	
HS030.04	<i>Eucalyptus longicornis</i>	2500	25		2500	25	
HS019.05	<i>Exocarpos aphyllus</i>	250	2		250	5	
HS030.06	<i>Metateuca pauperiflora</i> subsp. <i>fastigiata</i>				300	30	
HS019.04	<i>Olearia muelleri</i>	40	0.5		40	0.05	
	<i>Podolepis capillaris</i>				10		0.01
HS030.08	<i>Ptilotus spathulatus</i>				5	0.01	
HS030.01	<i>Rhagodia preissii</i> subsp. <i>preissii</i>	40	10		50	10	

Alyxia buxifolia

Mel. leuthidoides

red flower
sp. - scar
in bush

20x20 *Enc. yilgarensis*

HY82

LAKE HURLSTONE NATURE RESERVE

**Plot Locations
Site Parameters
Vegetation Data**

LAKE HURLSTONE RESERVE							
Site No.: 21		Date Assessed			Date Assessed		
L: <i>Eucalyptus spathulata</i> shrub mallee - low heath		18-Jun-98			Oct-98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Aira caryophyllea</i>	10	0.05		10		3
	* <i>Ursinia anthemoides</i>				40		0.01
	* <i>Vulpia bromoides</i>				15		2
HS015.15	<i>Austrodanthonia</i> sp.	20	2				
HS023.10	<i>Austrostipa</i> sp.				25	2	
	<i>Calandrinia</i> sp.				25		0.01
HS021.01	<i>Eucalyptus pileata</i>	400	25		400	25	
HS015.04	<i>Lepidosperma</i> sp. "Peak Charles National Park"	20	2		20		
HS021.04	<i>Lomandra effusa</i>	40	2		40	5	
HS021.03	<i>Melaleuca pauperiflora</i>	300	7	2	300	10	
HS021.05	<i>Olearia axillaris</i>	70	1.5		30	1	
HS019.02	<i>Podolepis capillaris</i>	10	0.2		10	0.5	
HS021.07	<i>Podolepis tepperi</i>				10		0.5
HS021.08	<i>Ptilotus gaudichaudii</i> subsp. <i>gaudichaudii</i>				5	0.1	
HS021.09	<i>Thelymitra</i> affin. <i>macrophylla</i>				25	0.01	
	<i>Thysanotus patersonii</i>				T		0.01
	<i>Trachymene cyanopetala</i>				10		0.5
	<i>Velleia rosea</i>				15		0.1
	<i>Waitzia acuminata</i>				30	0.1	

[illegible]

LAKE HURLSTONE RESERVE							
Site No.: 9	Date Assessed			Date Assessed			
E: Allocasuarina - Melaleuca tall shrubland	12-Jun-98			19/11/98			
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	<i>Acacia lineolata</i>				300	15	
	<i>Allocasuarina corniculata</i>				250	1	
	<i>Beyeria brevifolia</i>				70	4	
HS009.19	<i>Ceratogyne obionoides</i>				2	0.01	
HS009.20	<i>Crassula peduncularis</i>				2	0.01	
HS009.07	<i>Cryptandra minutifolia</i> subsp. <i>minutifolia</i>	40	0.1				
HS009.01	<i>Eucalyptus flocktoniae</i>	800	4		800	4	
HS009.04	<i>Exocarpos aphyllus</i>	200	2.5		200	5	
	<i>Lepidosperma</i> sp.				40	0.1	
HS009.12	<i>Lepidosperma viscidum</i>	35	0.2		35	0.2	
HS009.10	<i>Leucopogon hamulosus</i>	30	1		30	2	
HS009.18	<i>Levenhookia pusilla</i>				2	0.01	
	<i>Melaleuca uncinata</i>	170	0.5				
	<i>Persoonia coriacea</i>				100	0.5	
HS009.06	<i>Phebalium tuberculatum</i>	70	0.1		70	0.1	
HS009.08	<i>Platysace effusa</i>	40	0.1		40	0.5	
HS009.17	<i>Pterochaeta paniculata</i>				5	0.01	
HS009.11	<i>Schoenus subaphyllus</i> sp. w. y. H. 1/5	25	0.1		25	0.1	
HS009.16	<i>Stylidium breviscapum</i>				5	0.1	
	<i>Westringia rigida</i>				40	0.1	

only humilis
+ long flower buds

CLM012															
Lake Hurlstone															
Site No.	Date	Veg. Type	Topography	Age since fire	Litter		Outcropping		Aspect		% bare ground	Soils		Pebble	
					Cover	Type	Type	Quant	Slope	Heading		CSS ratio	Colour	Type	Size
1	11/06/98	F	US	>3	6	Lv>T	nil	nil	1	W	30	4:00:06	10YR6/6	nil	NA
2	11/06/98	J	US	>3	60	Lv>T>Lg	nil	nil	nil	NA	25	0:02:08	10YR5/4	Lat	<1
3	11/06/98	G	US	>3	40	Lv>T	nil	nil	1	SW	40	0:02:08	10YR5/4	Lat	<10
4	11/06/98	W	MS	>3	55	Lv>T>Lg	nil	nil	nil	NA	nil	0:01:09	10YR5/4	nil	NA
5	11/06/98	V	MS	>3	2	T	Gran	num		W	2	6:02:02	5YR3/2	nil	NA
6	11/06/98	C	MS	>3	8	Lv>T	nil	nil	nil	NA	35	0:02:08	10YR4/2	nil	NA
7	11/06/98	S	LS	>3	90	Lg>T>Lv	nil	nil	nil	NA	3	0:02:08	10YR6/2	nil	NA
8	11/06/98	Y	LS	>3	95	Lv>T>Lg	nil	nil	nil	NA	0	0:02:08	10YR6/2	nil	NA
9	12/06/98	E	MS	>3	8	T>Lv	nil	nil	nil	NA	30	0:01:09	5YR4/6	nil	NA
10	12/06/98	Q	MS	>3	95	Lv,T,Lg	nil	nil	nil	NA	5	3:03:04	5YR4/4	nil	NA
11	12/06/98	R	LS	>3	65	T>Lv,Lg	nil	nil	nil	NA	5	4:04:02	5YR3/4	nil	NA
12	12/06/98	A	VF	>3	0.1	Lv	nil	nil	nil	NA	5	0:01:09	10YR6/2	nil	NA
13	12/06/98	T	MS		20	Lv,Lg>T	nil	nil	nil	NA	0.5	2:04:04	5YR3/4	nil	NA
14	12/06/98	P	LS	>3	60	Lv>T>Lg	nil	nil	nil	NA	10	4:03:03	5YR4/4	nil	NA
15	17/06/98	E1	MS	>3	40	T>Lv	nil	nil	nil	NA	10	0:04:06	10YR5/4	Lat	<1
16	17/06/98	X	MS	>3	90	Lv>T	Gran	num	2	SE	5	0:01:09		Gran	<20
17	17/06/98	A/B	LS	>3	60	Lv>T>Lg	nil	nil	nil	NA	30	0:00:10		nil	NA
18	17/06/98	H	LS	>3	10	Lv>T	nil	nil	nil	NA	20	0:01:09	10YR6/2	nil	NA
19	17/06/98	I	LS	>3	80	Lv>T>Lg	nil	nil	nil	NA	5	2:02:06	10YR5/4	nil	NA
20	18/06/98	K	LS	>3	60	Lv>T>Lg	nil	nil	nil	NA	35	0:01:09		nil	NA
21	18/06/98	L	LS	>3	80	Lv>T>Lg	nil	nil	nil	NA	5	0:03:07	10YR6/6	nil	NA
22	18/06/98	N	MS	>3	30	Lv>T>Lg	nil	nil	nil	NA	40	3:02:05		nil	NA
23	18/06/98	M	LS	>3	60	Lg,Lv<T	nil	nil	nil	NA	6	0:02:08	10YR4/4	nil	NA
24	18/06/98	A	LS	>3	2	T>Lv	nil	nil	nil	NA	25	1:02:07	10YR5/4	nil	NA
25	18/06/98	R/D	MS	>3	50	Lv>T>Lg	nil	nil	nil	NA	25	4:01:05		nil	NA
26	18/06/98	D	MS	>3	70	Lv>T>Lg	nil	nil	1	E	20	5:00:05	10YR4/2	nil	NA
27	18/06/98	F	MS	>3	2	Lv	nil	nil	1	SW	30	3:02:05	10YR5/4	Lat	<1
28	18/06/98	J	MS	>3	70	Lv>T	nil	nil	1	S	20	0:01:09	10YR5/4	Quartz	<1
29	18/06/98	S	US	>3	80	Lv>T>Lg	nil	nil	1	SW	10	0:04:06	10YR5/3	Quartz	<1
30	19/06/98	R	LS	>3	90	Lv>T>Lg	nil	nil	nil	NA	5	0:03:07	5YR3/4	nil	NA

CLM012 - Lake Hurlstone					
GPS					
Date	Site	Map code	UTM	K/J	Locality
11/06/98	HS1	F	50721191	6389617	50m S of Hills Rd (190°). 100m W of Hyden-Lake King Rd (flagged) <i>opposite T junction sign.</i>
11/06/98	HS2	J	50720392	6389597	30m S of Hills Rd, 950m W of Hyden-Lake King Rd (flagged)
11/06/98	HS3	G	50718931	6387506	40m (76°) from track running along Western boundary of reserve, 2.05km N of Di Russo Rd W side of Lake Hyden-Lake King Rd (flagged)
11/06/98	HS4	W	50719584	6385491	N side of Di Russo Rd (50m), 1.9km W of junction with Hyden-Lake King Rd. (Cnr Di Russo & Lily McCarthy Rds)
11/06/98	HS5	V	50719345	6385720	100m NW of Site 4
11/06/98	HS6	C	50722247	6385985	N side of Di Russo Rd (50m), 900m E of junction with Hyden-Lake King Rd.
11/06/98	HS7	S	50724031	6385581	70m (341°) from Di Russo Rd, 2.5km E of Hyden-Lake King Rd (flagged)
11/06/98	HS8	Y	50723494	6385660	55m (345°) from Di Russo Rd, 2km E of Hyden-Lake King Rd. <i>by a side rd.</i>
12/06/98	HS9	E	50730200	6393400	NE block of map. 100m N and ca 150m W of SE block corner
12/06/98	HS10	Q	50729711	6393280	70m N of fenceline, 2.373km E of Holt Rock Rd (flagged)
12/06/98	HS11	R	50726733	6392000	120m N of track around northern edge of Lake Hurlstone, 500m W of Holt Rock Rd, 12.6km N of junction with Hyden-Lake King Rd
12/06/98	HS12	A	50727336	6393189	200m W of Holt Rock Rd, 14.2km N of Lake King-Hyden Rd ??
12/06/98	HS13	T	50723764	6397010	S side of Holland Track (50m), 1km W of junction with Holt Rock Rd/Modesty Rock Rd
12/06/98	HS14	P	50723008	6396297	220m (145°) S of Holland Track, 2.2km W of junction with Holt Rock Rd (Fence dropper on side of track. <i>1.5 (1.2km E of HS14, by a side rd.)</i> Head 220m on bearing 145° from peg - across Atriplex area to Salmon Gums on small rise.)
17/06/98	HS15	E1	50721371	6387183	70m E of Hyden-Lake King Rd, 2.5km S of junction with Hill Rd <i>by a road. (1.6km N of Di Russo Rd.)</i>
17/06/98	HS16	X	50720915	6388342	60m W of Hyden-Lake King Rd, 160m N of entrance to parking stop on E side of road, 1.56km S of junction with Holland track
17/06/98	HS17	A/B	50724681	6386356	770m N of Site 18. Cross stream, 230m at 320° to edge of lake. Site has Euc that can be seen from N side of stream over embankment
17/06/98	HS18	H	50725112	6385591	480m N along yellow + orange flagging track from Di Russo Rd 3.6km E of Hyden-Lake King Rd
17/06/98	HS19	I	50725183	6385283	60m N of Di Russo Rd 3.65km E of Hyden-Lake King Rd
18/06/98	HS20	K	50729257	6395831	55m S of fenceline, 3.1km E of junction - Holt Rock Rd & Northern fenceline (central section of fenceline)
18/06/98	HS21	L	50730466	6395796	50m (219°) from extreme NE corner of reserve ie. top corner of section E of Holt Rock rd. walk in for at least 2.75km
18/06/98	HS22	N	50727088	6395244	30m on bearing 130° from point on fence (500m SE of bend at top of N community) on fenceline of northern side of central section. <i>1.75km E of HRR by a road.</i>
18/06/98	HS23	M	50727930	6395301	300m SE of track 2.35km E of Holt Rock Road around top end of Eastern section of reserve.
18/06/98	HS24	A	50726727	6391742	50m S of track 500m W of Holt Rock Road around Northern edge of Lake Hurlstone.
18/06/98	HS25	R/D	50725699	6393496	120m on bearing 235° from road, 400m S of intersection of Holt Rock Road with northern fenceline of central section.
18/06/98	HS26	D	50726107	6392611	560m N of road (very southern boarder of central part of map, N of salt lake), 980m W from intersection with Holt Rock Road. R/D on map.
18/06/98	HS27	F	50718916	6385760	50m E of Western edge of reserve, 300m N of Di Russo Rd.
18/06/98	HS28	J	50720266	6385614	50m N of road which is 1.1km W of intersection with Hyden-Lake King Road.
18/06/98	HS29	S	50719445	6385882	250m NNE from Eastern edge of "pond", 200m NE along track that is 200m E of W edge of reserve on Di Russo Rd.
18/06/98	HS30	R	50725751	5385023	50m N of Di Russo Rd, 4.25km E of Hyden-Lake King Rd.

727720
6395385
3.5

HS18 50

724914
6385543
pda 2.4

MAP RELIABILITY: Map information has been determined from 1988 aerial photography and verified by 1988 field inspection. Every effort has been made to show all features necessary to make the map a useful general reference.

* TO DO *

