

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rks NR SITE NUMBER DS 01
 DATE TRIP 22-8-2000 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

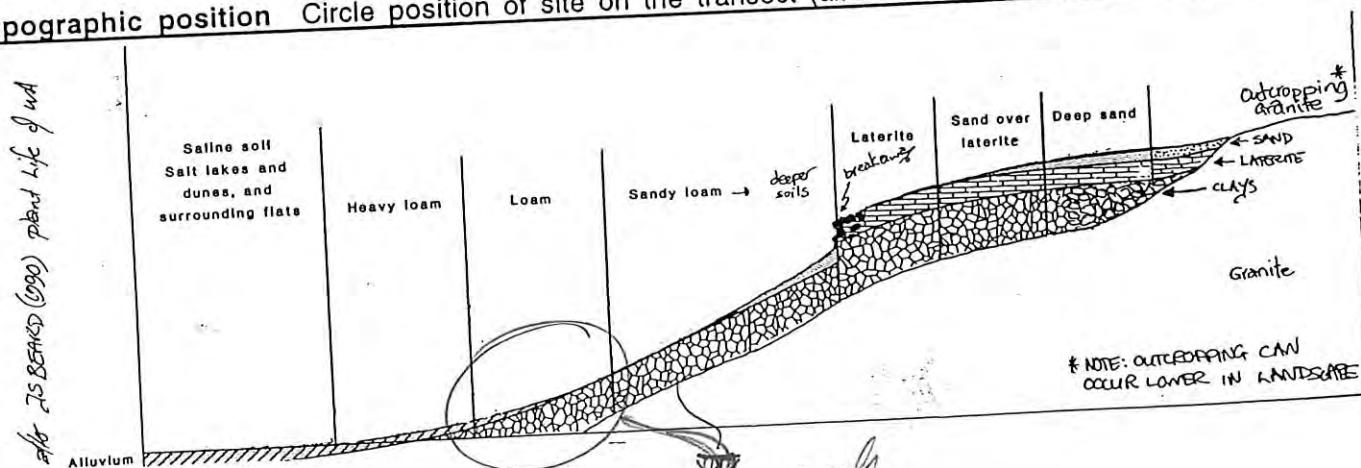
Reference Map

Photo No

Photograph

Photographer's Name

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



2. SITE DATA Circle the correct response.

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)						10-30	
DOMINANT SPECIES						<i>Euc. hypochlam</i>	<i>Euc. pileata</i>
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)		10-30				2-10	
DOMINANT SPECIES		<i>Mel. uncin</i>				<i>Phoradendrum tuberc</i>	<i>Platysace</i>
GRASSES		HERBS		SEDGES			
	over 0.5m	under 0.5m					
LIFE FORM							
COVER CLASS (%)	< 2	< 1				10-30	
DOMINANT SPECIES	<i>Neurachne alop</i>					<i>Lepidosp. + iscid</i>	

4. VEGETATION CONDITION

Comments

excellent

DRAGON ROCKS RESERVE								
Site No.: 1			Date Assessed			Date Assessed		
Mm: Mallee over Melaleuca thicket			19-Jun-98			21-Oct-98		
Coll.No.	ID Name		Ht	% A	% D	Ht	% A	% D
	<i>Allocasuarina acutivalvis</i>					25	0.5	
DS001.13	<i>Austrodanthonia caespitosa</i>		5	0.4		30	0.1	
DS001.11	<i>Cryptandra</i> ~~sp. murutifolia~~ <i>sp. archboldii</i>		15	0.1		50	2	
DS001.08	<i>Dodonaea bursariifolia</i>		50	1.3		600	15	
	<i>Eucalyptus flocktoniae</i> <i>flock</i>					400	5	
DS001.02	<i>Eucalyptus hypochlamydeas</i> subsp. <i>ecdysiastes</i>		400	20	0.2	600	10	
	<i>Eucalyptus pileata</i> "redunca"		20	0.5		20	1	
DS001.10	<i>Lepidosperma</i> sp. "Peak Charles National Park"		50	13	7	50	40	
DS001.03	<i>Lepidosperma viscidum</i> sp A2 Flat Inland					5	0.01	
	<i>Levenhookia stipitata</i>		30	0.3		30	0.3	
DS001.09	<i>Melaleuca cordata</i>		160	25	0.2	160	25	
DS001.01	<i>Melaleuca uncinata</i>					5	1.5	
	<i>Neurachne alopecuroides</i>					70	0.6	
HS022.04	<i>Phebalium tuberculatum</i> <i>peruviana</i>		70	0.2		50	0.5	
DS001.04	<i>Pimelea sulphurea</i> <i>suaveolens</i> <i>sp. densa</i>		50	0.5		70	5	
DS001.05	<i>Platysace (maxwellii)</i> <i>commutata</i>		50	3.5		5		0.01
	<i>Pterochaeta paniculata</i>					25	0.1	
DS001.12	<i>Stylidium (caricifolium)</i> <i>? nungarinense</i>					T	0.01	
	<i>Thysanotus patersonii</i>					3		
DS001.07	<i>Trymalium elachophyllum</i>		40	0.4				
	<i>Trymalium ledifolium</i> <i>delete</i>		80	0.8				

HY26

brunneum
branchlet
"RFA"

trachymenoides

narrow lvs
vsp
fls white

✓ *Phebalium* sp
(yellow, in bud)

✓ *Platysace* (*effusa*)

lepidotum
bradycaule *marginifolium* (vsp)

✓ Euc "redunca"
phacophylla
ssp. phacophylla
Mallee, 3/4 m, smooth grey bark, peeling
strips, lvs glossy-green, branchlets
red

20x20
E. pileata

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rks NR SITE NUMBER DS 2
 DATE TRIP 22-8-2000 RECORDERS WM/GK/NG
 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 _____

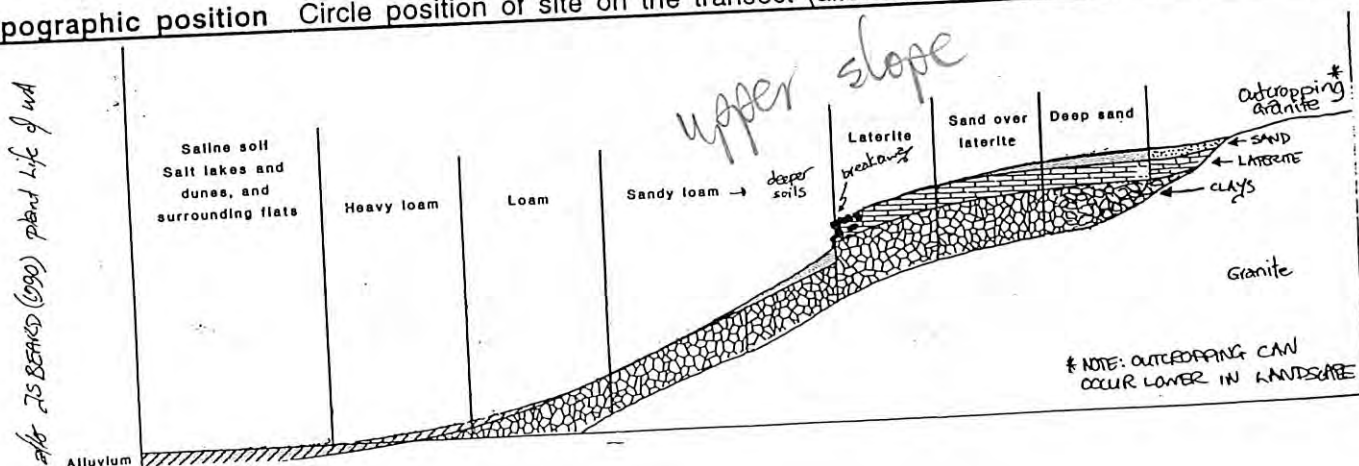
Reference Map _____

Photo No _____

Photograph

Photographer's Name _____

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											Colour	<u>cream</u>	
Exposed rock	type	<u>sand lateritic pebbles</u>										% surface	
Sub-surface Soil	<u>sandy-lateritic sand</u>										Colour		
Rock	type	<u>laterite</u>										depth to rock	<u>> 1m</u>
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet		all year		winter/spring			
Litter	<u>twigs, stems, 15%</u>										% cover	<u>30/70</u>	
	Depth	<u>2-15</u>										cm	
											Bare Ground	<u>30</u>	
											%cover		

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES						2	<i>Euc. alba</i>

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2		30/70		10/30
DOMINANT SPECIES	<i>Callitris rosei</i>		<i>Petr. squam</i> <i>Isop. teret</i> <i>met. spath</i>		<i>Beauf. micranth</i>

GRASSES		HERBS		SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2	2-10			2-10
DOMINANT SPECIES		<i>Lom mucron</i> <i>RA</i>			<i>Desmodiastrus</i>

4. VEGETATION CONDITION

Comments

excellent

DRAGON ROCKS RESERVE								
Site No.:2		Date Assessed			Date Assessed			
Km: Eucalyptus albida Very Open Shrub Mallee over Heath		18-Jun-98			22-Oct-98			
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
DS002.20	Acacia moirii subsp. recurvistipula	20	0.2		20	0.2	✓	
DS002.30	Adenanthos flavidiflorus	40	0.4		40	0.4	✓	
DS002.33	Allocasuarina humilis	50	0.5		50	0.5	✓	
	Allocasuarina microstachya				40	0.1	✓	
DS002.11	Amphipogon turbinatus		0.5		40	0.5	✓	
	Baeckea crispiflora prissiana				60	0.1		
	Banksia sphaerocarpa var. caesia				50	1		
DS002.21	Banksia violacea	30	0.3					
DS002.06	Beaufortia micrantha	40	33		40	33		
DS002.33a	Callitris roei	120	0.5					
DS002.07	Calothamnus huegelii	70	15		70	15		
DS002.27	Calytrix sp.	15	0.05					
DS002.50	Cassylia racemosa				T	0.01		
	Chamelaucium sp. naviculum				30	0.1		
DS002.32	Cryptandra leucopogon	20	0.5		20	0.05		
DS002.10	Dampiera juncea	10	0.2		10	0.5		
	Dampiera lavandulacea				10	0.01		
DS002.19	Daviesia rhombifolia	20	1		20	1		
DS002.16	Daviesia (sp. - collection) - teretifolia	30	2	3	30	2		
DS002.03	Daviesia uniflora	40	0.2					
DS002.15	Desmoeladus asper - ms (Resistance)	50	5					
DS002.12	Dryandra cirsioides (pudicicia)	100	1		100	1	0.5	
DS002.13	Dryandra erythrocephala	50	2		50	2		
DS002.14	Dryandra ferruginea	40	8	2	40	8		
DS002.17	Eucalyptus albida	400	5		400	5		
	Gastrolobium spinosum	150	1.5		150	1.5		
DS002.35	Grevillea hookeriana	100	0.4		100	0.5		
DS002.02	Hakea cygna	100	3	1	100	3		
DS002.22	Hibbertia rupicola sp. sterile	20	0.1		20	0.1		
DS002.34	Isopogon buxifolius var. obovatus	100	0.3		100	0.3		
DS002.28	Isopogon villosus	15	0.2		15	0.2	0.1	
DS002.23	Lepidobolus chaetocephalus	40	0.05		15	0.1		
DS002.09	Lepidosperma sp. - K - low style argata	5	1		5	1		
HS015.04	Lepidosperma sp. "Peak Charles National Park"	25	0.5		50	0.5		
DS002.18	Leucopogon hamulosus sp. Lake King	20	1.5		20	1.5		
HS018.09	Lomandra mucronata	20	0.1		20	0.1		
DS002.26	Lysinema ciliatum	30	0.05		30	0.5		
DS002.01	Melaleuca spathulata (no) - B	50	15		50	15		
DS002.51	Nemcia hookeri				20	0.01		
HS001.12	Neurachne alopecuroides	10	0.1		10	0.1		
DS002.04	Petrophile squamata	80	8		80	8		
DS002.31	Poaceae sp. (Plectrachne - Drg Rk)	20	0.2					
HS001.20	Psammomoya choretroides	20	0.1		20	0.1		
DS002.29	Pultanaea verruculosa	20	0.1		50	0.5		
HS027.04	Schoenus hexandrus	20	0.5					
HS018.10	Schoenus subaphyllus	15	0.1		20	0.5		
	Stylidium piliferum				5	0.01		
DS002.24	Stylidium rhynchocarpum (? brevisc)	15	0.05					
DS002.25	Verticordia chrysantha	20	1		20	1		
	Verticordia insignis				40	0.1		
	Xanthorrhoea nana	40	1		40	1		
	Verticordia habrantha							

HY27

check

check

check

No spec 2/8

check

brunswick 22/8

tuberous
var. anserina
(W.A. Hall det.)

Dryandra pallida
(VSP)

Pinetia suave
sp. flava

Schoenus? sp. AZ Kuhn
(sterile)

Stenanthemum
S. arid. - discol.

Allocas acutivalvis

Dillwynia uncinata (VSP)

Conostylis argentea

Haemodorum laxum discolor

Drosera macrantha

Petrophile glauca

Acacia pyramidalis

Hakea incrassata

Micromyrtus racemosa

Cassylia

Acacia squamata

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rks NR SITE NUMBER DS 03
 DATE TRIP 22-8-2000 RECORDERS GK/NG/WM
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude

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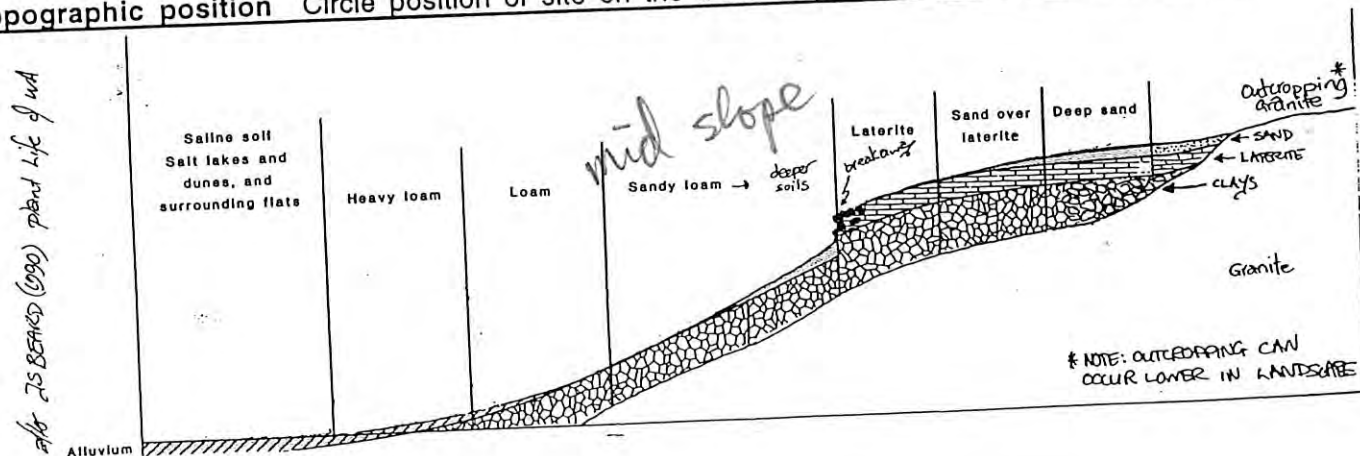
Reference Map

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	sandy clay										Colour	brown
Exposed rock	type lateritic pebbles										% surface	
Sub-surface Soil	clay - laterite										Colour	
Rock	type laterite										depth to rock	20-30cm
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year	winter/spring				
Litter	VS, twigs	% 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						30m	10m
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	30-70		
DOMINANT SPECIES				Bank. sphar	Hakea cygna 2m Beauf. micrantha 1m Verticordia Hakea scoparia Caloth. quab		
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM							
COVER CLASS (%)	<1	<1			2-10		
DOMINANT SPECIES					Lepidosperma sp Schoerhus hexand		

4. VEGETATION CONDITION

Comments

excellent

DRAGON ROCKS RESERVE							
Site No.: 3		Date Assessed			Date Assessed		
Kv: Low Mixed Heath		19-Jun-98			22-Oct-98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	<i>*Arctotheca calendula</i>				15	0.01	
DS003.18	<i>Acacia uncinella</i>	60	1		60	1	
DS003.03	<i>Allocasuarina campestris</i>	130	3	0.5	100	3	
DS003.21	<i>Allocasuarina microstachya</i>	25	0.8		25	0.8	
DS003.15	<i>Baeckea crispiflora</i> <i>preissiana</i>	40	13		40	10	
DS003.01	<i>Banksia sphaerocarpa</i> var. <i>caesia</i>	120	4	0.2	120	5	
DS003.10	<i>Beaufortia bracteosa</i>	50	9	3	50	9	
DS003.16	<i>Calytrix breviseta</i> subsp. <i>stipulosa</i>	30	3.5		30	0.5	
	<i>Chamaelancium megatopetatum</i> <i>naviculatum</i>				25	0.5	
DS003.22	<i>Cryptandra polyclada</i> subsp. <i>polyclada</i>	30	0.5		30	0.5	
	<i>Dampiera oligophylla</i>				20	0.05	
DS003.23	<i>Dryandra xylothemelia</i>	40	0.5		40	0.5	0.3
DS003.28	<i>Grevillea shuttleworthiana</i>	50	0.5		50	0.5	
DS003.05	<i>Hakea cygna</i> <i>cygna</i>	80	3		80	5	
DS003.04	<i>Hakea scoparia</i>	80	3	0.5	80	3	1
DS003.20	<i>Hibbertia enervia</i> <i>gracilipes</i>	30			30	0.1	
DS003.26	<i>Hibbertia exasperata</i>	30	0.3				
DS003.02	<i>Isopogon scabriusculus</i>	90	2.5		90	2.5	0.5
DS003.29	<i>Lepidosperma</i> sp.	15	0.2		15	0.2	
DS003.14	<i>Lepidosperma</i> sp. "Peak Charles National Park"	30	0.5	0.2	30	0.5	
DS003.12	<i>Lepidosperma</i> sp. <i>= P.I. small heads</i>	25	1.5		25	2	
DS003.27	<i>Leucopogon minutifolius</i> (P.S.D.)	20	0.1		20	0.1	0.1
DS003.06	<i>Leucopogon crassifolius</i> <i>sp. Wharfedale</i>	40	7		40	2	
DS003.17	<i>Leucopogon dielsianus</i>	40	1		40	1	
DS003.30	<i>Lomandra collina</i>	15	0.2		15	0.2	
DS003.25	<i>Lysinema ciliatum</i>	60	0.4		60	0.5	
DS003.07	<i>Melaleuca cordata</i>	50	0.5		50	0.5	
DS003.19	<i>Melaleuca subtrigona</i> <i>f. villosifolia</i>	40	0.5		40	0.5	
DS003.13	<i>Mesomelaena preissii</i>	30	2.5	0.5	30	3	
DS003.50	<i>Microcorys subcanescens</i>				20	0.05	
DS003.24	<i>Micromyrtus racemosa</i> <i>var. latifolia</i>	40	0.2		40	0.2	
DS003.08	<i>Mirbelia trichocalyx</i>	30	0.5		30	0.5	
	<i>Neurachne alopecuroides</i>				25	0.01	
	<i>Petrophile circinata</i>				15	0.01	
	<i>Platysace maxwellii</i> <i>commutata</i>				40	0.05	
	<i>Psammomoya choretroides</i>				25	0.1	
	<i>Stylidium breviscapum</i>				5	0.01	
	<i>Stylidium piliferum</i>	5	0.1		25	0.1	
DS003.31	<i>Synaphea cervifolia</i>	20	0.2		25		0.2
DS003.11	<i>Verticordia chrysantha</i>	40	2.5	0.5	40	8	
DS003.09	<i>Verticordia insignis</i> <i>? habroanth</i>	40	5		60	8	
	<i>Xanthorrhoea nana</i>	60	1		60	1	
	<i>Drosera macrantha</i>						
	<i>Isopogon teretifolius</i>						
	<i>Lepidobolus chaetac</i>						
	<i>Schoenus hexandrus</i>						

Amphipogon turbinatus

Conostylis argentea

Drosera (pygmy) sp too young.

Chaemaxeros fimbriata

Laxmannia palacea

Beaufortia ?

Acacia multisperata

HY28

brunonia 22/8

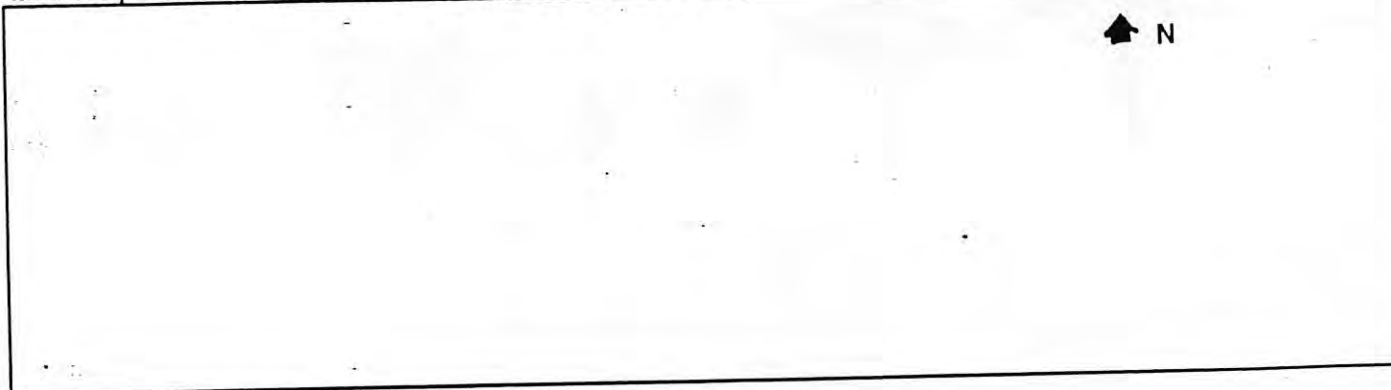
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rocks SITE NUMBER DS4
 DATE TRIP 21-8-2000 RECORDERS WM/NG/GK
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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1. LOCATION of the QUADRAT

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

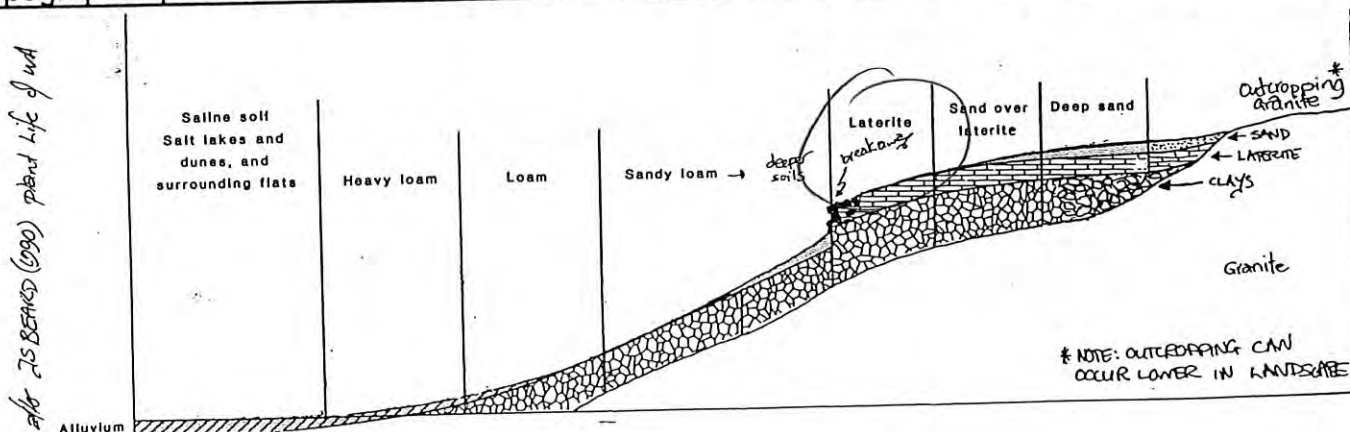


Road Location

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	<u>NE</u>	E	SE	S	SW	W	NW	
Surface Soil	loam						Colour <u>orange</u>						
Exposed rock	type _____						% surface _____						
Sub-surface Soil	laterite						Colour _____						
Rock	type _____						depth to rock _____						
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year	winter/spring					
Litter	W5, twig		% cover	290		Bare Ground	C10		% cover				
	Depth 2-5		cm										

3. VEGETATION STRUCTURE AND COVER

Cover Class	2-10%	10-30%	30 - 70%	over 70%
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4. VEGETATION CONDITION

Comments

excellent

check new name ~~oryzophylla~~

H429

DRAGON ROCKS RESERVE						
Site No.:4		Date Assessed			Date Assessed	
Wm: <i>Eucalyptus gardneri</i> Low Forest		17-Aug-98			22-Oct-98	
Coll.No.	ID Name	Ht	% A	% D	Ht	% A % D
DS004.08	<i>Allocasuarina acutivalvis</i>	150	0.5		100	0.5
DS004.05	<i>Dodonaea bursariifolia</i>	60	2		60	2
DS004.02	<i>Eucalyptus flocktoniae</i>	700	6		700	6
DS004.01	<i>Eucalyptus gardneri</i>	700	40		700	40
	<i>Exocarpus aphyllus</i>	150	1.5		150	1.5
	<i>Melaleuca depauperata</i>	150	0.2		150	0.2
	<i>Melaleuca uncinata</i>				30	0.5
	<i>Phebalium lepidotum</i>	130	5		130	8
	<i>Santalum acuminatum</i>				300	1
DS004.04	<i>Trymalium elachophyllum</i>	120	3		120	4
DS004.03	<i>Westringia cephalantha</i>	120	4		120	4
	<i>Thysanotus patersonii</i>					
	<i>Newmachne alopecur</i>					
	<i>Pterostylis</i> → <i>vittata</i> = <i>subdiformis</i>					
	<i>Sanguinaria</i>					

Redlet
as densa densa
DN 9/00.

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rocks SITE NUMBER DS 5
 DATE TRIP 21-8-2000 RECORDERS NM/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

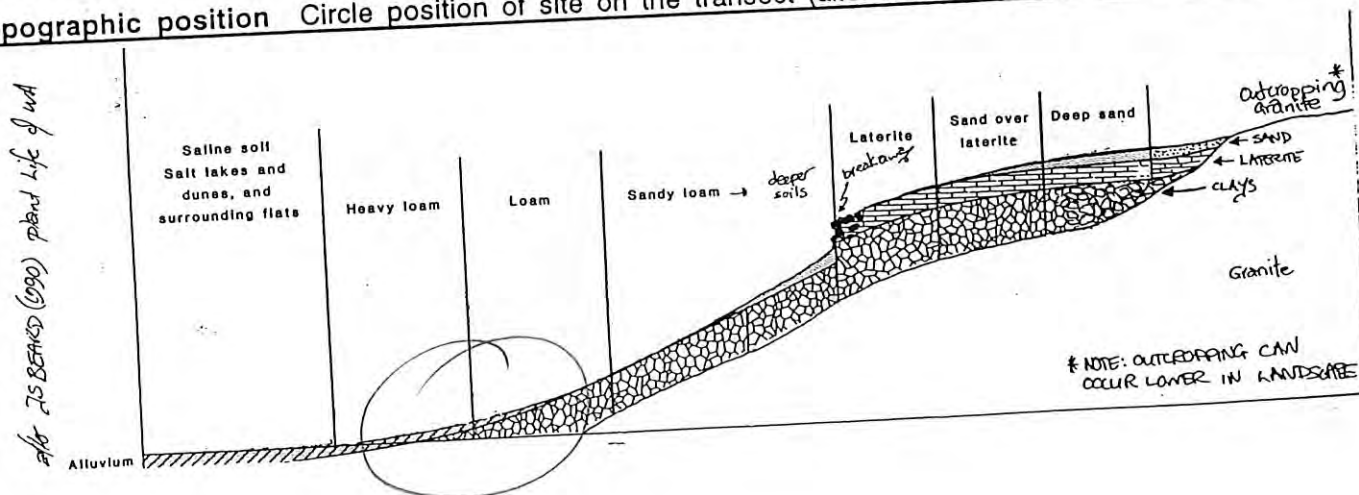
Reference Map

Photo No

Photograph

Photographer's Name

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 none % surface

Sub-surface Soil depth to rock
 Rock type Colour

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

Litter bark, lvs, twigs % cover 50/70 Bare Ground 30 %cover
 Depth 2-10 cm

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)						10/30	
DOMINANT SPECIES						<i>Euc. pilcata</i>	
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)		10-30		10/30	2-10		
DOMINANT SPECIES		<i>Mel. uncin</i> <i>Mel. pentag</i>		<i>Phybalium</i> <i>Acac. sulcata</i>	<i>Grevillea huegel</i> <i>Platysace</i>		
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	L2	L2			L2		
DOMINANT SPECIES							

4. VEGETATION CONDITION

Comments

excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

DRAGON ROCKS

BUSHLAND AREA

SITE NUMBER

DS6

DATE TRIP

21-8-2000

RECORDERS

WM/NG/GK

H431

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.

▲ N

Road Location

Geographic Location Latitude

S Longitude

E Altitude

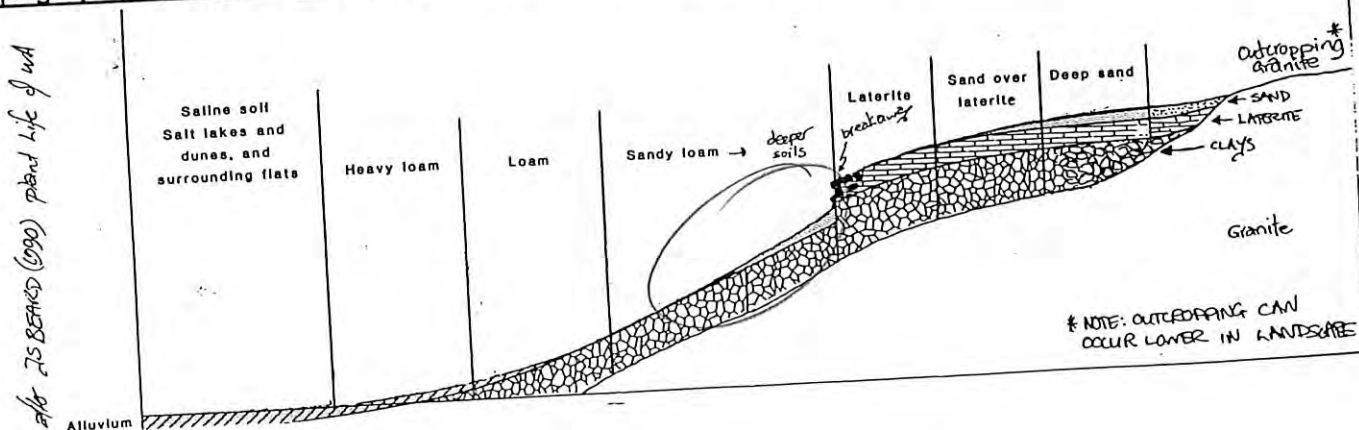
Reference Map

Photo No

Photograph

Photographer's Name

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 loam Colour orange-brown
Exposed rock type % surface

Sub-surface Soil depth to rock Colour
Rock type

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

Litter 1/5 twigs % cover 70/90 Bare Ground 10/30 %cover
Depth 2-5 cm

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

3. VEGETATION STRUCTURE AND COVER

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						2	<i>E. capillosa</i>
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)	2	30/70	2-10				
DOMINANT SPECIES	<i>Ac. acuminata</i>	<i>Alloc. cornic.</i> <i>Mela</i> <i>Leptos. roel</i>	<i>Boyeria brevif</i> <i>Hakea erecta</i>			~~2~~ 10/30	<i>Phorol. liliif</i> <i>Micromyrtus rac</i> <i>Cryptandra</i>
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	22	22					
DOMINANT SPECIES							

4. VEGETATION CONDITION

Comments

excellent

HY31

DRAGON ROCKS RESERVE							
Site No.: 6		Date Assessed			Date Assessed		
		17-Aug-98			22-Oct-98		
Kc: Allocasuarina corniculata Thicket		Ht	% A	% D	Ht	% A	% D
Coll.No.	ID Name						
DS006.03	Acacia acuminata subsp. acuminata	250	2		250	0.5	✓
	Acacia assimilis				200	5	✓
	Allocasuarina acutivalvis				250	2	✓
	Allocasuarina corniculata	240	2		240	5	✓
DS006.19	Astroloma serratifolium	40	2		40	2	✓
	Baeckea crispiflora	50	1.5		50	1.5	✓
DS006.13	Beaufortia schaueri	50	1.5		50	1.5	✓
DS006.16	Beyeria brevifolia	120	7		120	7	✓
DS006.02	Callitris verrucosa	180	2		180	2	✓
	Calytrix breviseta subsp. stipulosa				40	0.5	✓
	Cryptandra minutifolia subsp. minutifolia	50	0.1		50	0.1	✓
DS006.12	Dodonaea bursariifolia	40	1		40	1	✓
DS004.05	Drosera macrantha	T	0.05				✓
DS006.09	Eucalyptus capillosa subsp. polyclada	350	2		350	2	✓
DS006.18	Grevillea biformis	150	1		150	3	✓
DS006.01	Hakea erecta	160	6		160	10	✓
DS006.05	Hakea multilineata	300		1	300		✓
DS006.17	Hakea subsulcata	200	2.5		200	2.5	✓
DS006.15	Hibbertia pungens	40	4		40	4	✓
	Lepidosperma viscidum	40	1		40	1	✓
DS006.07	Leptospermum erubescens	250	3		250	5	✓
DS005.05	Melaleuca ~~spatulata~~ tuberculata	200	8		200	8	✓
DS006.10	Melaleuca uncinata	250	10		250	10	✓
	Micromyrtus obovata	140	6		140	6	✓
DS006.08	Persoonia coriacea	40	1		40	1	✓
DS006.06	Phebalium filifolium	120	5		120	5	✓
DS006.04	Phebalium lepidotum	100	3		100	3	✓
DS004.06	Pimelea suaveolens subsp. flava	120	0.3		120	0.3	✓
DS006.14	Thysanotus patersonii				T	0.1	✓
	Verticordia chrysantha				50	1	✓

W A Hesh
redlet
as dark
dark

Euc. gardneri
Mallet

H. dech

Mallee: Euc. ~~phaenophylla~~ hypochlamydeia sp. edysiastes
Goodenia scapigera
Melaleuca laxiflora

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rocks NR SITE NUMBER DS 7
 DATE TRIP 21-8-2000 RECORDERS WM/GK/NG H432
 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.



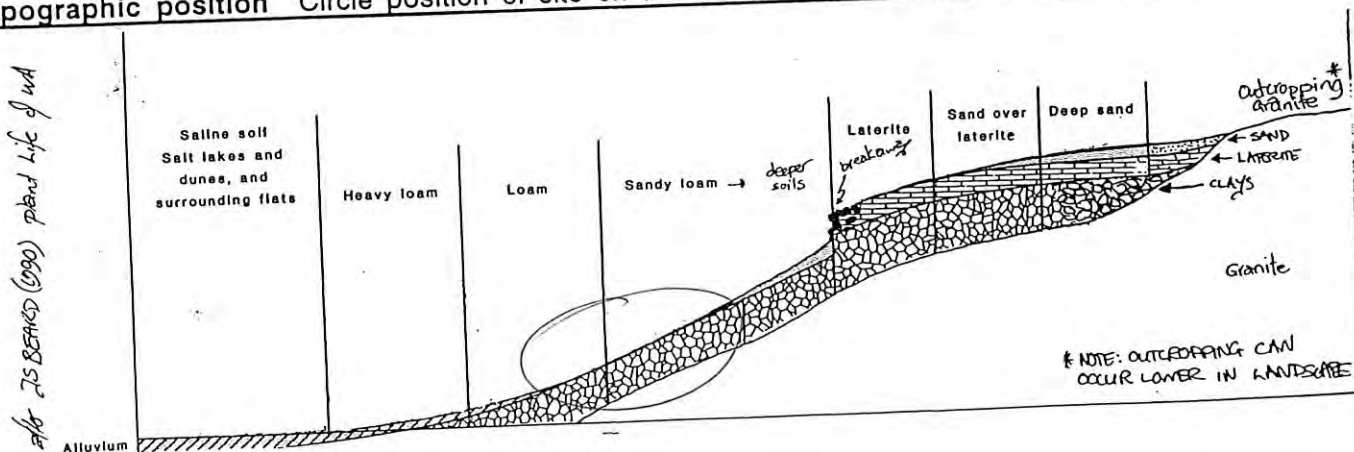
Road Location

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 sandy clay Colour yellow
 Exposed rock type _____ % surface _____

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

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

Litter twigs, lvs % cover 10/30 Bare Ground 30/50 %cover
 Depth 2-5 cm

3. VEGETATION STRUCTURE AND COVER

Cover Class	2-10%	10-30%	30 - 70%	over 70%
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4. VEGETATION CONDITION

Comments

excellent

HY32

DRAGON ROCKS RESERVE							
Site No.: 7		Date Assessed			Date Assessed		
Kt: <i>Allocasuarina-amplexifolia</i> Thicket		17-Aug-98			22-Oct-98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
DS006.20	<i>Allocasuarina acutivalvis</i>	250	8		250	10	
	<i>Amphipogon turbinatus</i>				10	0.1	
	<i>Baeckea crispiflora</i>				50	0.5	
DS007.09	<i>Banksia sphaerocarpa</i> var. <i>caesia</i>	120	2.5		120	2.5	
DS006.16	<i>Beaufortia schaueri</i>	60	1.5	0.3	60	1.5	0.3
DS007.18	<i>Borya sphaerocephala</i> <i>constricta</i>	5	3		10	8	
DS007.17	<i>Calothamnus quadrifidus</i>	7	0.5		7	0.5	
	<i>Calytrix leschenaultii</i>				50	0.5	
	<i>Cassytha</i> sp. <i>pemiformis</i>				T		0.01
	<i>Chamaexeros</i> <i>serra</i> <i>fimbriata</i>				15	0.1	
	<i>Dampiera oligophylla</i>				40	0.1	
DS007.14	<i>Daviesia hakeoides</i> subsp. <i>subnuda</i>	40	0.3	0.3	40	0.3	0.3
DS006.09	<i>Drosera macrantha</i>	T	0.1				
DS007.13	<i>Dryandra xylothemelia</i>	80	0.2	0.2	80	0.2	
DS006.01	<i>Grevillea biformis</i>	120	7		220	5	
DS007.07	<i>Hakea cygna</i>	120	3	6	120	3	6
	<i>Hakea scoparia</i>				150	3	1
	<i>Hakea subsulcata</i>				200		0.5
DS007.01	<i>Hibbertia eatoniae</i>	40	4				
DS007.12	<i>Lepidobolus chaetocephalus</i>	15	0.1		15	0.5	
DS007.15	<i>Lepidosperma resinosum</i> <i>brunneum</i>	15	0.2				
DS007.11	<i>Lomandra effusa</i>	25	0.01		25	0.01	
DS007.05	<i>Melaleuca cordata</i>	60	5		60	5	
DS007.04	<i>Melaleuca spathulata</i> <i>tuberculata</i> <i>leptospermoides</i>	100	5	0.5	100	5	0.5
	<i>Melaleuca uncinata</i>	220	2.5		120	2.5	
DS007.20	<i>Micromyrtus racemosa</i>				40	0.1	
	<i>Neurachne alopecuroides</i>				5	0.5	
DS007.06	<i>Psammomoya choretroides</i>	30	0.2	0.2	30	0.2	0.2
	<i>Schoenus calcatus</i>				3	2	
DS007.08	<i>Schoenus hexandrus</i> <i>vel off breviset</i>	30	0.5				
DS007.10	<i>Schoenus lanatus</i> <i>vel off breviset</i>	20	0.2	0.2	20	0.5	0.2
	<i>Stylidium breviscarpum</i>				5	0.5	
DS007.21	<i>Stylidium luteum</i> subsp. <i>clavatum</i>				10	0.01	
	<i>Stylidium repens</i>				5	0.5	
DS007.16	<i>Synaphea cervifolia</i>	15		0.2			
DS007.03	<i>Verticordia chrysantha</i>	60	3	0.5	60	5	
DS007.02	<i>Verticordia insignis</i> <i>sp (sterile)</i>	100	2		50	5	

2nd coll with this # for this site W.A. Herbold

Mel off serrate

very open Alloc acutiv over low heath

✓ *Asterostylis* aff. *karbata*

✓ *Hakea* *candleana*

✓ *Melaleuca leptospermoides*

Conostylis argentea

Chamaexeros fimbriata

✓ *Acacia* *sulcata* ~~????~~ *dielsii*

Thysanotus patersonii

Opsecularia rabidioides

Drosera (pygmy)

Stylidium ? *piliferum*

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

4433

BUSHLAND AREA Dragon Rocks NR SITE NUMBER DS 8
 DATE TRIP 22-8-2000 RECORDERS Ng/WM/AK
 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

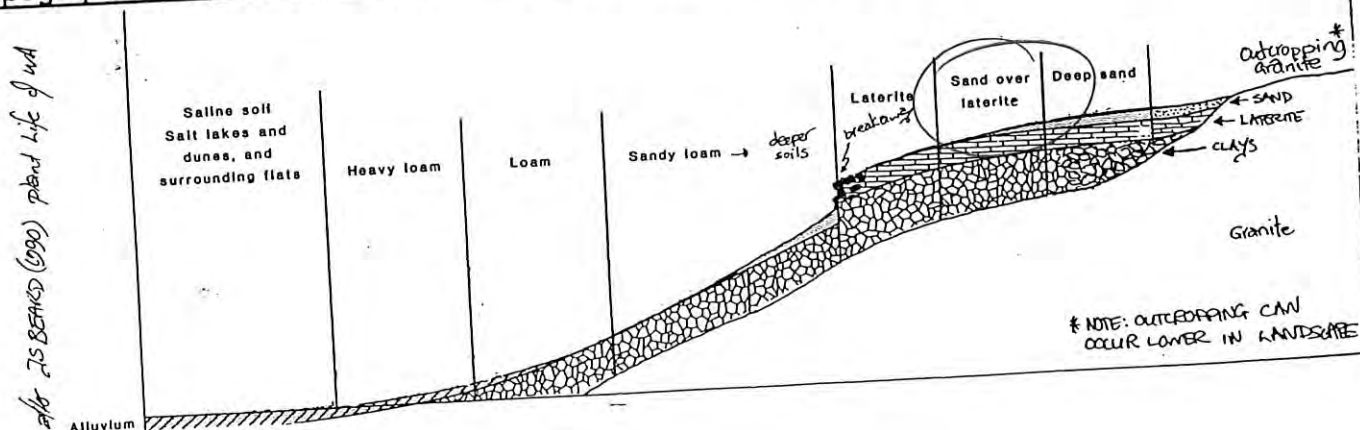
Reference Map

Photo No

Photograph

Photographer's Name

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



2. SITE DATA Circle the correct response.

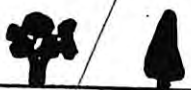
Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	S	<u>SW</u>	W	NW	
Surface Soil	sand								Colour	white			
Exposed rock	laterite								pebbles	surface		2	
Sub-surface Soil	sandy clay								Colour	10/20cm			
Rock	laterite								depth to rock	10/20cm			
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet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

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					2
DOMINANT SPECIES					Euc. dissimulata
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)			30/70		10/30
DOMINANT SPECIES			Isop. baxif Mel. pungens		Synaphea Banksia violae
GRASSES		HERBS		SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	<1	<1		<1	
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

excellent
burnt c. 20 yrs b/f

22-8-50

HY33

DRAGON ROCKS RESERVE									
Site No.: 8	Ke: Eremaea	Heath	ID Name	Date Assessed			Date Assessed		
				18-Aug-98			22-Oct-98		
Coll.No.				Ht	% A	% D	Ht	% A	% D
DS008.06			Acacia moirii subsp. recurvistipula	25	0.3		25	0.3	
DS008.15			Adenanthos flavidiflorus	30	0.3		30	0.5	
			Allocasuarina acutivalvis	70	2		70	3	
DS008.07			Andersonia lehmanniana subsp. pubescens	40	3.5	0.5	40	3.5	
DS006.13			Baeckea crispiflora	30	0.5		30	0.5	
DS008.14			Banksia sphaerocarpa var. caesia	60	5.5		60	7	
DS008.03			Banksia violacea	60	4		60	4	
DS006.16			Beaufortia schaueri	30	0.4		30	0.5	
			Callitris preissii subsp. verrucosa	50	1.2		50	1.5	
			Calytrix leschenaultii				20	0.05	
			Cassytha melantha				T	0.05	
DS008.29			Chamaexeros fimbriata	30	0.4		30	0.5	
DS008.01			Chamelaucium ciliatum	30	2		50	3	
			Chamelaucium megalopetalum				40	0.05	
DS008.27			Cryptandra sp. (spiny)	40	0.2		25	0.1	
DS008.19			Dampiera oligophylla	30	0.1		30	0.5	
DS008.12			Daviesia abnormis	40	2		40	2	
DS007.14			Daviesia hakeoides subsp. subnuda	40	0.5	0.2	40	0.5	0.2
			Daviesia mollis				40	0.05	
DS008.28			Daviesia rhombifolia	40	0.4		40	0.4	
DS008.10			Dryandra cirsioides	130	1		130	2	
DS008.17			Dryandra drummondii	40	0.5		40	0.5	
DS008.08			Dryandra erythrocephala	60	4.5		60	5	
DS008.13			Dryandra ferruginea	40	0.3		40	0.3	
DS008.18			Eremaea pauciflora	50	2.5		50	3	
DS008.32			Eucalyptus dissimulata	200	3		200	2	
			Gastrolobium spinosum	50	0.5		50	0.5	
DS008.02			Grevillea hookeriana	120	3.5		120	5	
DS008.50			Grevillea teretifolia				30	0.05	
DS008.20			Hakea cygna	60	0.4		60	1	
DS008.09			Hakea subsulcata	100	0.5		100	0.5	
DS008.31			Hibbertia enervia				30	0.1	
DS008.11			Isopogon buxifolius var. spathulatus	130	3		130	3	
DS008.22			Isopogon teretifolius	40	0.5		40	0.5	
			Isopogon villosus				30	0.2	
DS008.21			Lepidobolus chaetocephalus	30	3		30	0.05	
DS008.51			Lepidosperma pruinatum				15	0.05	
DS008.26			Leptospermum erubescens	150	2		150	2	
			Leptospermum spinescens				70	0.5	
DS008.53			Leucopogon cuneifolius				40	0.05	
			Leucopogon dielsianus				30	0.5	
DS007.11			Lomandra effusa	15	0.5		15	0.5	
DS008.05			Lysinema ciliatum	100	1		100	1	
DS008.04			Melaleuca pungens	110	6		100	6	
DS008.33			Melaleuca spathulata	100	0.8		100	1	
DS008.16			Melaleuca subtrigona	50	5		50	5	
			Mesomelaena sp.				20	0.1	
			Mirbelia spinosa				30	0.05	
DS008.24			Nemcia hookeri	30	0.5				
			Neurachne alopecuroides				2	0.01	
DS007.10			Schoenus lanatus	15	0.5		15	0.5	
			Stylidium repens				5	0.01	
			Stylidium sp.				15	0.01	
DS007.16			Synaphea cervifolia	30	0.4		30	0.5	
DS008.30			Unknown sp.	30	1.5				
DS007.03			Verticordia chrysantha	40	1.5		40	1.5	
DS007.02			Verticordia insignis	40	4		50	10	
DS008.25			Verticordia serrata	40	0.2				
DS008.52			Verticordia sp.				20	0.01	
			Xanthorrhoea nana	50	0.5		30		0.5

dal.

del. →

Euc albida

del.

Acacia confertifolia (500m)

Callitris roei *

Hakea incrassata

Opocularia rubidoides

tumida (W.A. 1000)

Cassytha sp steile

Lehmannia paleacea

Drosera (pygm) androsaceae

Cryptandra pungens

Cryptandra nigrescens

Acacia sulcata subsp. plectophylla

Drosera zonaria

" macrantha

Amphipogon torbinata

60

Conostylis argentea

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rks NR SITE NUMBER DS 09
 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.



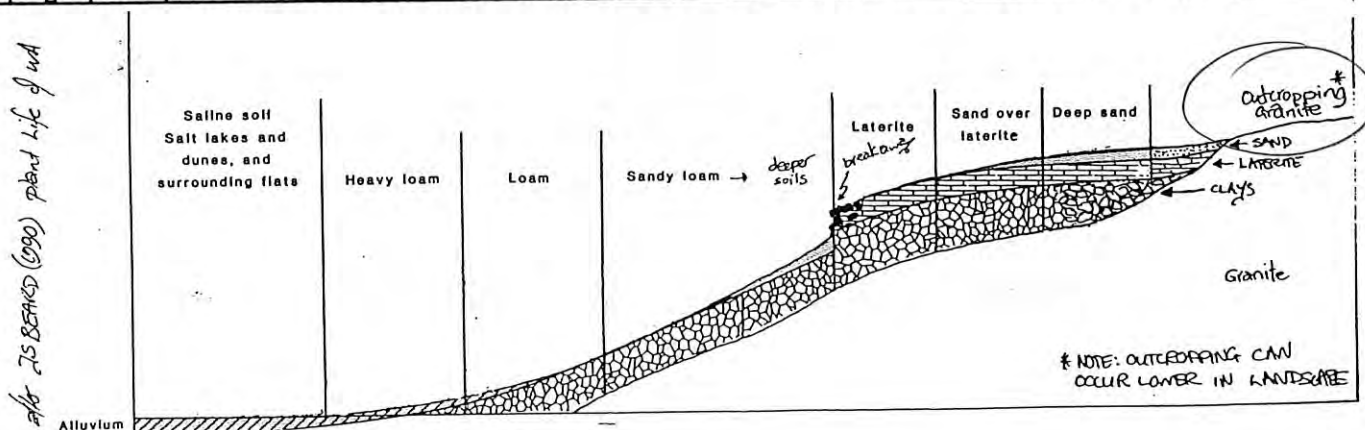
Road Location

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

Surface Soil type gritty loam Colour brown
Exposed rock type none % surface _____

Sub-surface Soil Colour _____
Rock type granite depth to rock 10-30 cm

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

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

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES					MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m	
LIFE FORM						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 camp		10/30		2-10	
DOMINANT SPECIES	<i>Allocas acutid</i>		<i>Melaleuca scabra</i> <i>Beyseria lehrn</i> <i>Caloth. g. vad</i>		<i>Platysace comm</i>	
GRASSES		HERBS		SEDGES		
				over 0.5m	under 0.5m	
LIFE FORM	 	 	 		 	1m
COVER CLASS (%)	<1	<1			10-30	
DOMINANT SPECIES					<i>Lepidosperma vis</i>	

4. VEGETATION CONDITION

Comments

excellent

HY34

DRAGON ROCKS RESERVE							
Site No.: 9		Date Assessed			Date Assessed		
G: Granite outcrop - herb / shrubland		18-Aug-98			21-Oct-98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
					200	0.1	
	<i>Acacia lasiocalyx</i>	250	15	3	250	25	
DS009.07	<i>Allocasuarina campestris</i>	40	1.5		40	1.5	
	<i>Astroloma serratifolium</i>	40	0.2				
DS009.06	<i>Baeckea crispiflora</i>	170	2		170	2	
DS009.02	<i>Beyeria brevifolia</i> var. <i>truncata</i>				5	0.01	
CG	<i>Blennospora drummondii</i>				2	0.05	
	<i>Borya nitida</i> ~~<i>constricta</i>~~	230	8		250	10	
DS009.04	<i>Calothamnus quadrifidus</i>	30	4				
DS009.05	<i>Calytrix breviseta</i> subsp. <i>stipulosa</i>				40	1	
	<i>Calytrix leschenaultii</i>	40	0.1		40	0.1	
DS009.10	<i>Cryptandra nutans</i>	T	0.01				
DS006.09	<i>Drosera macrantha</i>				5	0.01	
	<i>Goodenia berardiana</i>	130	11		130	25	
DS009.01	<i>Lepidosperma viscidum</i>				5	0.01	
	<i>Levenhookia pusilla</i>				5	0.01	
DS009.13	<i>Levenhookia stipitata</i>				220	3	
~~DS009.11~~	~~<i>Melaleuca scabra</i> complex~~ <i>tuberculata</i>	220	8	2			
~~DS009.03~~	<i>Melaleuca subtrigona</i>	15	0.1		25	0.1	
	<i>Neurachne alopecuroides</i>				10	0.1	
	<i>Opercularia vaginata</i>				20	1	
DS009.14	<i>Platysace effusa</i>				120	7	
DS009.08	<i>Platysace</i> (<i>maxwellii</i>) <i>commutata</i>	120	7		5	0.05	
	<i>Pterochaeta paniculata</i>				50	0.01	
DS009.12	<i>Thelymitra</i> aff. <i>macrophylla</i>				T	0.1	
	<i>Thysanotus patersonii</i>				5	0.01	
	<i>Trachymene ornata</i>	40	0.3		40	3	
DS007.03	<i>Verticordia chrysantha</i>				10	0.01	
	<i>Waitzia acuminata</i>						
	<i>Stackhousia monogyna</i>						
	<i>Comesperma ciliatum</i>						
	<i>Leucopogon propinquus</i> var. <i>parvifolius</i> - ????						
	<i>parvifolius</i> (v.s.)						

No collect
No spec on DS

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon R/L SITE NUMBER DS10
 DATE TRIP 21-8-2000 RECORDERS W9/GK/WM HY35
 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.

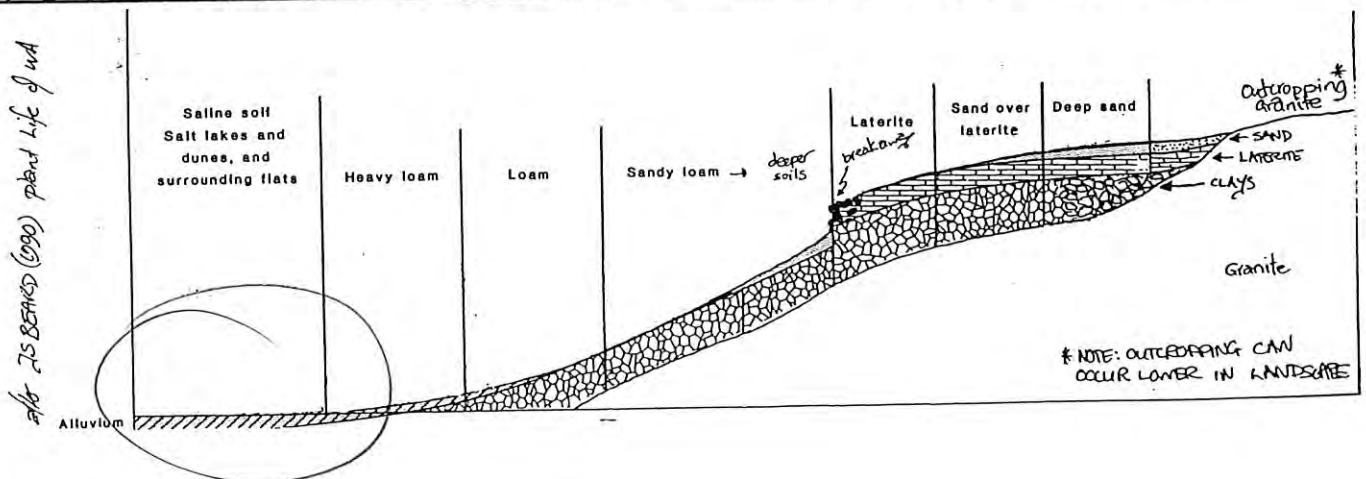


Road Location

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 clay Colour grey
 Exposed rock _____ type _____ % surface _____

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

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

Litter ws, twigs logs % cover 70/90 Bare Ground 10/30 % cover
 Depth 2-30 cm

excellent

HY35

DRAGON ROCKS RESERVE							
Site No.: 10		Date Assessed			Date Assessed		
Ws: <i>Eucalyptus salmonophloia</i> Woodland		18-Aug-98			21-Oct-98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	<i>Calandrinia</i> sp.				10	0.1	
DS010.01	<i>Eucalyptus calycogona</i>	500	25		500	25	✓
	<i>Eucalyptus salmonophloia</i>	1200	15		1200	15	✓
DS010.02	<i>Grevillea huegelii</i>	50	1.5		50	1.5	✓
DS010.03	<i>Olearia muelleri</i>	50	0.7		50	0.7	✓
	<i>Crassula colorata</i>						

20x20

same

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA

SITE NUMBER

DATE TRIP

RECORDERS

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

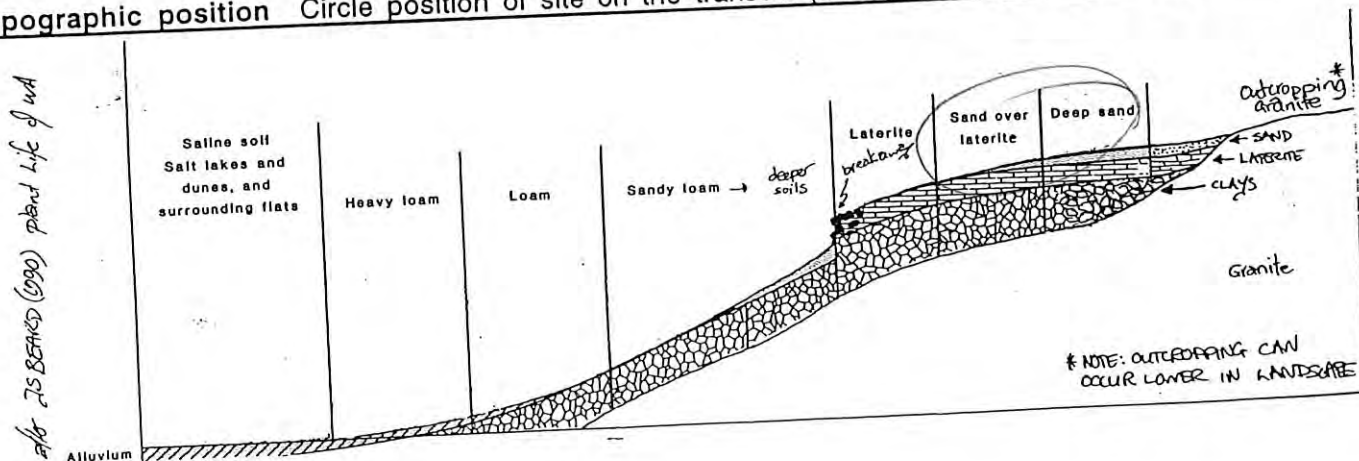
Reference Map

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	<u>flat</u> gentle steep	Aspect	N NE E SE S SW W NW
Surface Soil	<u>sandy clay</u>	Colour	<u>yellow</u>
Exposed rock	type	% surface	
Sub-surface Soil		Colour	
Rock	type	depth to rock	
Drainage	well <u>mod</u> poor	depth water	cm Wet all year winter/spring
Litter	<u>lg twigs</u>	% cover	
	Depth <u>2-5</u> cm	Bare Ground	<u>10</u> <u>30</u> %cover

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

3. VEGETATION STRUCTURE AND COVER

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

Cover Class					
2-10%		10-30%		30-70% over 70%	
TREES					
over 15m		5-15m		under 5m	
LIFE FORM				MALLEES	
				over 8m	under 8m
					
COVER CLASS (%)					30m
DOMINANT SPECIES					10m
					2-10
					<i>E. pharnophylla</i>
SHRUBS					
over 2m		2m - 1.5m		1.5 - 1m	
LIFE FORM					SHRUBS
					under 0.5m
					
COVER CLASS (%)	10/30	10/30	2/10		2m
DOMINANT SPECIES	<i>Alloc. camp</i>	<i>Hakea sp.</i>	<i>Thryptom.</i>		1m
	<i>Hakea franksii</i>	<i>Beyeria lechb</i>	<i>Probalium</i>		
	<i>Actinost.</i>				
GRASSES		HERBS		SEDGES	
		multilined		over 0.5m	
LIFE FORM				under 0.5m	
					
COVER CLASS (%)	<2	<2	2-10		
DOMINANT SPECIES			<i>Lepidosperma visc</i>		

4. VEGETATION CONDITION

Comments

excellent

HY36

DRAGON ROCKS RESERVE							
Site No.: 11		Date Assessed			Date Assessed		
Ka: Allocasuarina acutivalvis Thicket		18-Aug-98			21-Oct-98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	Acacia assimilis				150	0.5	
		200	9		200	9	
DS011.01	Allocasuarina acutivalvis				200	0.5	
	Allocasuarina campestris				50	1	
	Astroloma serratifolium	50	1		120	10	
DS011.04	Beyeria brevifolia	120	10		250	15	
	Callitris preisii subsp. verrucosa	250	15		40	0.5	
	Calytrix leschenaultii				T		0.01
	Cassytha sp. melantha				T		0.05
DS006.09	Drosera macrantha	T	0.05				
DS011.07	Eucalyptus phaenophylla subangustata	400	6	1	400	6	
		180	1.5		150	1	
DS011.08	Grevillea hookeriana	160	5		160	5	
DS011.06	Hakea erecta	150	7	1	250	7	
DS006.17	Hakea multilineata	120	2.5		120	5	
DS011.11	Hakea scoparia	130	1		130	1	
DS011.12	Hakea subsulcata	30	1		30	1	
DS011.10	Hibbertia exasperata	50	4		50	4	
DS006.07	Lepidosperma viscidum				200	0.5	
DS011.14	Leptomeria preissiana	150	15	2	150	20	
DS011.05	Melaleuca phaeophylla leptophylla	200	17	2	250	17	
	Melaleuca uncinata	140	1.5		140	1.5	
DS011.03	Micromyrtus obovata	100	1		100	1	
DS006.04	Phebalium filifolium	40	0.5		40	1	
DS011.02	Phebalium tuberosum				120	0.5	
	Santalum acuminatum	20	0.05		20	0.05	
DS011.09	Stenanthemum stipulosum				30	0.1	
	Verticordia picta						
	E (utandoo) mallee						
	Rhodanthe laevis						
	Thysanotus patersonii						
	Neurachne alopecuroides						
	Schoenus (cushion)						
	Pterostylis tuta sargentii						
	Thysanotus sp						

relet coll
14/3/01

pheb. filifolium - yellow fls

smth grey bk Mallee, 3-4m, lvs dull-green.

Euc. phaenophylla ssp. phaenophylla

Euc. hypochlomydea ssp. ecdysiastes (VSP)

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA

DATE TRIP 21-8-2000

DATE TRIP

DATE TRIP

BOTANIST

SITE NUMBER

BM/GK/MG

DS12

#137

RECORDERS

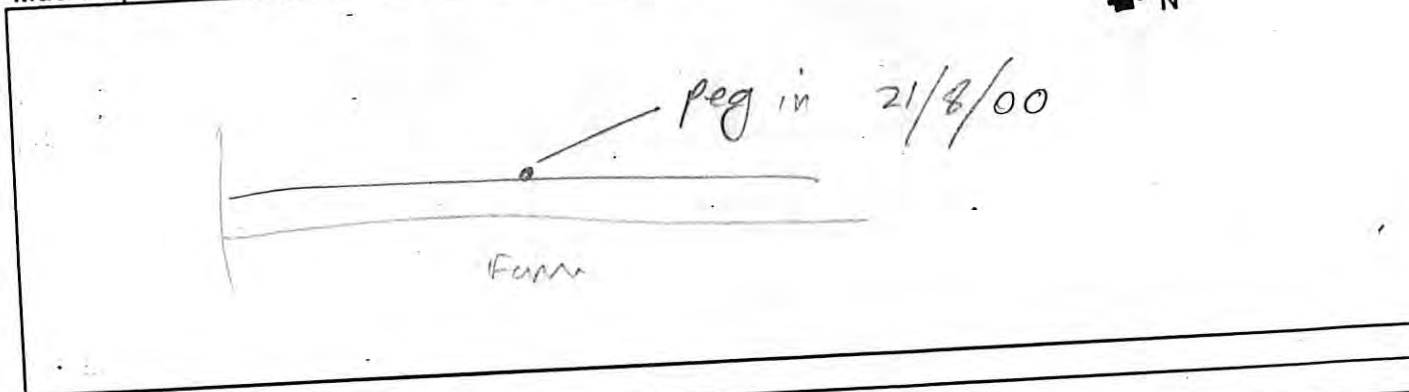
RECORDERS

RECORDERS

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

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

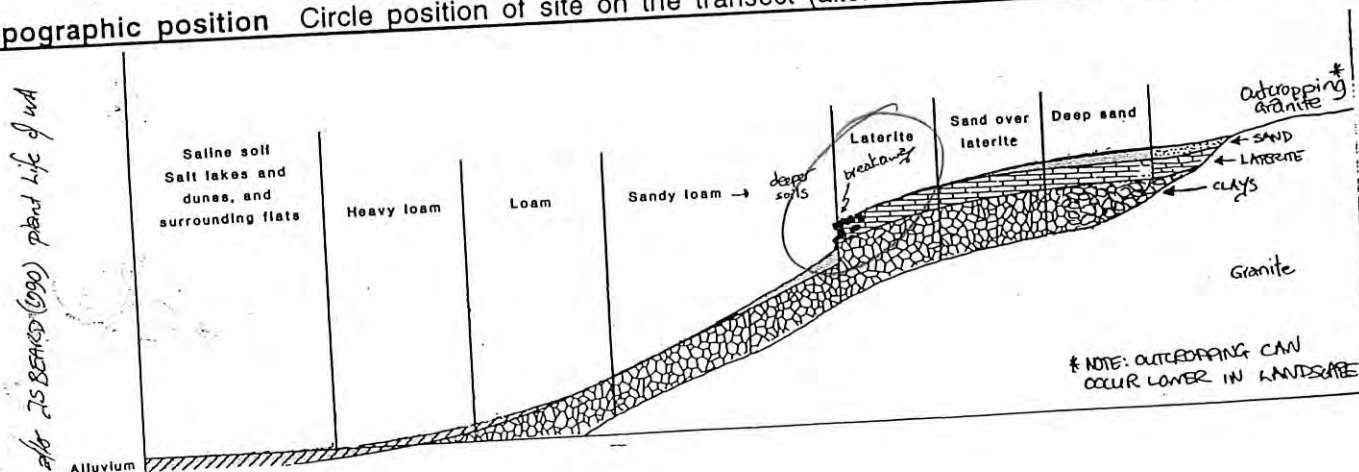
Photo No 13

Photograph

Photographer's Name

MG

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 depth to rock Colour
Rock type

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

Litter twigs, lvs % cover 30/50 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					
	over 15m	5-15m	under 5m	MALEES	
				over 8m	under 8m
LIFE FORM					
COVER CLASS (%)		2-10		2-10	
DOMINANT SPECIES				<i>E. capillosa</i>	
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)	10/30			2-10	
DOMINANT SPECIES	<i>Alloc. acutya</i> <i>Callitris pruss</i>			<i>Phoradendron tuberc</i>	
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<2	<2	<2		
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

excellent

[illegible]

~~Mel~~ Mallee over Mel. uncin / ~~Act~~ Callidris roel
tall shrub land

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rks SITE NUMBER DS13
 DATE TRIP 21-8-2000 RECORDERS GK/WG/BWA HY38
 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 _____

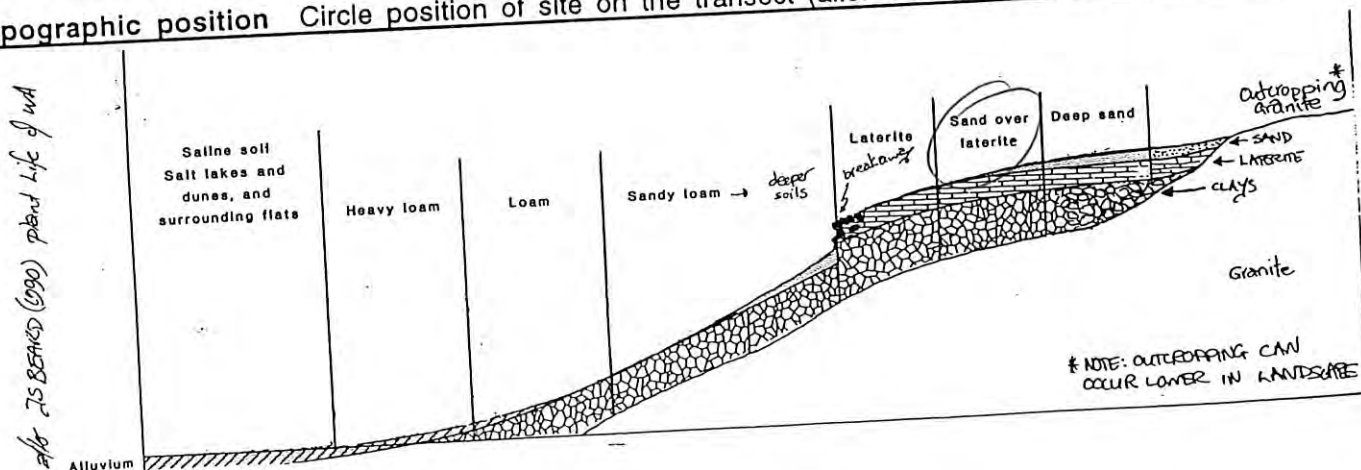
Reference Map _____

Photo No _____

Photograph

Photographer's Name _____

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



2. SITE DATA Circle the correct response.

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	<u>SE</u>	S	SW	W	NW
Surface Soil	<u>sand</u>			Colour	<u>fawn</u>							
Exposed rock	type			% surface								
Sub-surface Soil	<u>laterite</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>50/70</u>			Bare Ground	<u>20/30</u>		% cover	
	Depth <u>2-5</u> cm											

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES							
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)	2		30/70				
DOMINANT SPECIES	Callitris preyer Alloc acut Il camp		Dryopteris Chamaecypar Melal Brick-sphens				
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	L2	L2			L2		
DOMINANT SPECIES							

4. VEGETATION CONDITION

Comments

exultans

14338

DRAGON ROCKS RESERVE						
Site No.: 13		Date Assessed				
Kh: Mixed Heath		19-Aug-98				
Coll.No.	ID Name	Ht	% A	% D		
DS008.06	Acacia moirii subsp. recurvistipula	30	0.2			✓
DS013.01	Allocasuarina campestris	170	4			✓
DS013.15	Allocasuarina microstachya	30	0.2			✓
DS008.14	Banksia sphaerocarpa var. caesia	140	5			✓
DS013.06a	Beaufortia micrantha	40	6			✓
DS013.14	Calectasia grandiflora	30	0.1			✓
DS013.07	Callitris roei	250	1.5			✓
DS013.06	Calytrix breviseta subsp. stipulosa	30	2	(VSD)		✓
DS008.01	Chamaeleucium ciliatum	130	0.4	(VSD)		✓
DS013.12	Comesperma sp.	30	0.1			✓
DS006.09	Drosera macrantha		0.1			✓
DS008.08	Dryandra erythrocephala ssp. erythrocephala	160	5			✓
DS008.13	Dryandra ferruginea	100	1.5	1		✓
DS008.02	Grevillea hookeriana	140	1			✓
DS008.20	Hakea cygna	140	3			✓
DS013.11	Hakea incrassata	30	0.1			✓
DS008.31	Hibbertia enervia	25	3			✓
DS013.09	Hibbertia exasperata	40	0.2			✓
DS008.22	Isopogon teretifolius	130	4.5	1.5		✓
DS013.13	Lepidosperma sp. "Peak Charles National Park"	30	0.2			✓
DS008.05	Lysinema ciliatum	90	1			✓
DS008.33	Melaleuca spathulata	140	9			✓
DS013.04	Mesomelaena preissii	30	3			✓
DS013.08	Neurachne alopecuroides	5	0.1			✓
DS007.08	Schoenus hexandrus	40	0.5			✓
DS013.10	Unknown sp.	30	0.5			✓
DS007.02	Verticordia insignis	40	5			✓
DS013.05	Petrophile seminuda	50	1			✓
DS013.03	Petrophile squamata	50	2			✓
DS007.06	Psammomoya choretroides	40	0.5			✓
DS007.10	Schoenus lanatus	20	1.5			✓
DS007.03	Verticordia chrysantha	30	2.5			✓
	Xanthorrhoea nana	100	0.5			✓
	Chaetaxeros fimbriata					
	Laxmannia paleacea					
	Daviesia preissii					
	Lomandra mucronata					

Sterile brown

Voucher label RFA.

no spec on DB

DS 7.0 = Schoenus vel off brevisetis

brunonia 21/8

- ✓ Schoenus hexandrus vel off brevisetis
- Allocasuarina humilis
- Stylidium breviscapum
- ✓ Cassytha sp sterile
- Chamaescilla spiralis
- ✓ Petrophile glauca
- ✓ Mirbelia tricocalyx
- Schoenus calcatus
- ✓ Nemcia pauciflora
- ✓ Daviesia lanicifolia
- Dampiera oligophylla
- Conostylis argentea
- Stylidium luteum
- = Drosera sp hyeme

ADD Allocasuarina acut. vel from lower dead

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

4439

BUSHLAND AREA Dragon Rocks SITE NUMBER DS14
 DATE TRIP 21-8-2000 RECORDERS MG/WM/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.

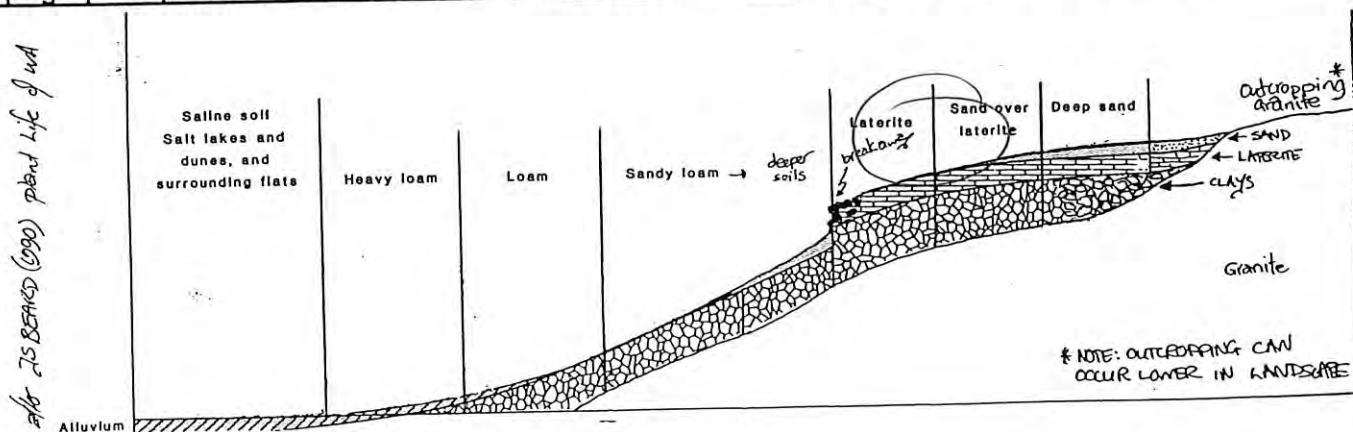


Road Location

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 gentle steep Aspect N NE E SE S SW W NW

Surface Soil loam Colour brown
 Exposed rock type laterite pebbles % surface 10/30

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

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

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

HY39

DRAGON ROCKS RESERVE							
Site No.: 14		Date Assessed			Date Assessed		
Khl: <i>Melaleuca leptospermoides</i> -heath		19-Aug-98			21-Oct-98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
DS008.06	<i>Acacia moirii</i> subsp. <i>recurvistipula</i>	30	0.5		30	0.5	
	<i>Allocasuarina acutivalvis</i>				1	0.1	
DS014.10	<i>Allocasuarina campestris</i>	180	3	0.5	180	3	0.5
DS013.15	<i>Allocasuarina microstachya</i>	40	1		40	1	
DS014.11	<i>Amphipogon turbinatus</i>	15	0.3		20	0.05	
	<i>Astroloma serratifolium</i>	50	5		50	5	
DS008.14	<i>Banksia sphaerocarpa</i> var. <i>caesia</i>	80	1		80	1	
DS014.02	<i>Beaufortia micrantha</i>	70	5		70	5	
DS014.16	<i>Beyeria brevifolia</i>				20	0.05	
DS014.12	<i>Borya constricta</i>	5	1		5	1	
~~DS014.03~~	<i>Calcectasia grandiflora</i> sp. <i>wh. Thelt</i>	40	1.5		40	1.5	
DS013.06	<i>Calytrix breviseta</i> subsp. <i>stipulosa</i>	30	0.5		30	0.5	
	<i>Cassitya racemosa</i>				T	0.01	
	<i>Chamaexeros serra</i> <i>fimbriata</i>				30	0.5	
DS014.13	<i>Conostylis</i> sp. <i>argentea</i>				20	0.5	
DS014.15	<i>Dampiera juncea</i>				15	0.01	
	<i>Daviesia cordata</i>				40	0.7	
DS014.08	<i>Daviesia incrassata</i>	30	0.7		30	0.7	
DS006.09	<i>Drosera macrantha</i>		0.2				
DS014.07	<i>Dryandra erythrocephala</i>	120	5.5		120	5.5	
DS014.04	<i>Dryandra ferruginea</i>	100	1		100	1	
DS008.20	<i>Hakea cygna</i>	110	8		110	8	
DS014.18	<i>Hibbertia exasperata</i>	40	1		40	1	
DS014.17	<i>Isopogon teretifolius</i> subsp. <i>petrophiloides</i>	100	3		110	3	
	<i>Lepidobolus chaetocephalus</i>				15	0.5	
DS014.09	<i>Lepidobolus preissianus</i>	20	0.5				
DS013.13	<i>Lepidosperma</i> sp. "Peak-Charles-National Park"	40	0.4		40	0.5	
DS014.14	<i>Leucopogon hamulosus</i>				20	0.3	
DS014.05	<i>Melaleuca cordata</i>	130	5		130	5	
DS008.33	<i>Melaleuca spathulata</i> <i>tuberculata</i>	130	11		130	15	
DS013.04	<i>Mesomelaena preissii</i>	40	2		40	2	
	<i>Neurachne alopecuroidea</i>				5	0.5	
DS019.13	<i>Persoonia coriacea</i>	60	0.4		60	0.4	
DS007.06	<i>Psammomoya choretroides</i>	40	0.5		40	0.5	
DS007.08	<i>Schoenus hexandrus</i>	20	0.5		20	0.5	
DS007.10	<i>Schoenus lanatus</i>				3	0.05	
	<i>Stylidium piliferum</i>				5	0.5	
	<i>Stylidium repens</i>	30	0.6		30	0.6	
DS014.06	<i>Synaphea cervifolia</i>	20	0.7				
DS013.10	Unknown sp.	40	5		40	5	
DS007.03	<i>Verticordia chrysanthia</i>						
	<i>Amphipogon turbinatus</i>						
	<i>Laxmannia palaeacea</i>						
	<i>Thysanotus patersonii</i>						
	<i>Drosera (epigaea) pulchella</i>						

/// *Lepidosperma* sp PI (USP)

Melaleuca tuberculata
"s br wood form"
* Is sp. a. u. a. m. a. s.
Chalk

NO SPK
ON DB

DS 7.10 = *Schoenus*
rel off *breviseta*

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rks SITE NUMBER DS 15
 DATE TRIP 22-8-2000 RECORDERS WM/GK/NG
 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.

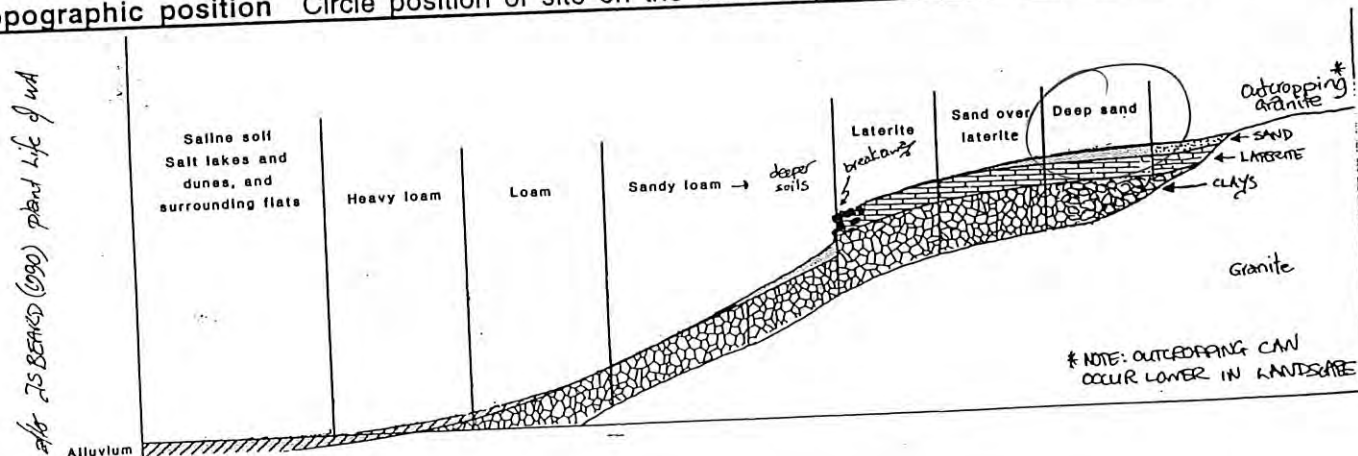


Road Location

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	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW	
Surface Soil	sand								Colour	brown			
Exposed rock	type	lateritic pebbles								% surface	< 5		
Sub-surface Soil	sandy clay								Colour				
Rock	type	laterite								depth to rock	> 1m		
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet all year			winter/spring				
Litter	lbs, twigs		% cover		30/50		Bare Ground		30/50		% cover		
	Depth		cm		2-5								

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES							
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)		10/30			10/30		
DOMINANT SPECIES		Erem. paucif Dry. cirsioid Beaufortia Hakea cygna			Banks violac Beaufortia mirandula Petroph. glauca		
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	< 2				10/30		
DOMINANT SPECIES	Nerachne alopecuroides	Conostylis argentea			Desmodium Marsippospermum		

4. VEGETATION CONDITION

Comments

excellent

H/40

DRAGON ROCKS RESERVE						
Site No.:15		Date Assessed			Date Assessed	
Km: Eucalyptus albidus Very Open Shrub Mallee over Heath (La		19-Aug-98			23-Oct-98	
Coll.No.	ID Name	Ht	% A	% D	Ht	% A % D
DS015.22	Acacia chrysocephala	50	0.4		15	0.2
DS008.06	Acacia moirii subsp. recurvistipula	15	0.2		20	1
DS008.15	Adenanthos flavidiflorus	20	1		25	0.05
DS015.04	Amphipogon turbinatus	25	0.05		50	0.1
	Baeckea crispiflora				50	1
DS007.09	Banksia sphaerocarpa var. caesia	50	2		120	10
DS008.03	Banksia violacea	120	6		30	30
DS015.13	Beaufortia micrantha	30	16		40	0.5
DS015.12	Calytrix leschenaultii	40	0.5		T	0.01
	Cassytha sp. <i>bonifera</i>	40	0.3		40	0.3
DS015.17	Chamaexeros fimbriata				60	0.05
	Chamelaucium megalopetalum <i>naviculum</i>	15	0.1		30	1.1
DS015.03	Conostylis petrophiloides				10	0.05
	Dampiera oligophylla				10	0.05
DS015.18	Daviesia incrassata	15	1	0.5		
DS015.15	Desmodium asper <i>ms</i>	10	0.4			
DS006.09	Drosera macrantha	T	0.05		200	15
DS008.10	Dryandra cirsioides	150	17		40	0.3
DS008.17	Dryandra drummondii	40	0.3		50	10
DS015.11	Dryandra erythrocephala	50	8		20	0.3
DS015.09	Dryandra ferruginea	20	0.3		50	3
DS015.01	Eremaea pauciflora	50	3	1	120	5
DS015.10	Hakea cygna	120	4		20	0.5
DS015.21	Hibbertia <i>enervia</i> <i>gracilipes</i>	20	0.5		100	5
DS008.11	Isopogon buxifolius var. spathulatus	100	4		140	1
DS008.22	Isopogon teretifolius	140	1			
DS015.06	Lepidosperma sp. K <i>Conostylis argentea</i>	40	0.1		20	0.1
	Leucopogon dielsianus	20	0.1		50	1
DS015.16	Leucopogon minutifolius	50	1		30	1
DS017.51	Lomandra micrantha subsp. teretifolia				40	1
DS008.05	Lysinema ciliatum	40	1		20	2
DS015.14	Melaleuca subtrigona	20	2		50	2
DS015.08	Mesomelaena preissii	50	2		3	0.01
	Neurachne alopecuroides	5	0.3		60	4
DS015.19	Petrophile squamata	60	4			
DS015.20	Pterostylis sanguinea	20	0.05		30	0.1
	Pultenaea sp. <i>Nemcia patens</i>	150	13		250	20
DS015.07	Regelia inops	15	0.3			
DS007.08	Schoenus hexandrus	30	0.2		15	5
DS015.05	Schoenus pleiostemonus				20	0.01
DS017.50	Schoenus subflavus				2	0.1
	Stylidium luteum	10	0.1		5	0.5
DS015.02	Stylidium piliferum				30	0.5
	Stylidium repens	30	0.3		60	1
DS007.16	Synaphea cervifolia	60	1		30	2
DS007.03	Verticordia chrysantha				80	1
	Verticordia picta	80	0.5			
	Xanthorrhoea nana					

check
✓ DX

But check
not grassy

No coll
on DB

Nemcia

No coll
on DB

✓ Pimelea suaevolens ssp flava Allocas microstachya

✓ Petrophile ~~sp~~ glauca Boeckea? preissiana

✓ Cryptandra myrsinifolia Conostylis argentea off verrucosa (Allocas 311)

Leptospermum roei ✓ Pultenaea *eracifolia*

Thysanotus sp Drosera zonaria

✓ Cryptandra notans (usp) Hakea platysperma

✓ Hibbertia gracilipes Melaleuca tuberculata

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Progen Rocks NR SITE NUMBER DS16
 DATE TRIP 23/8/2000 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

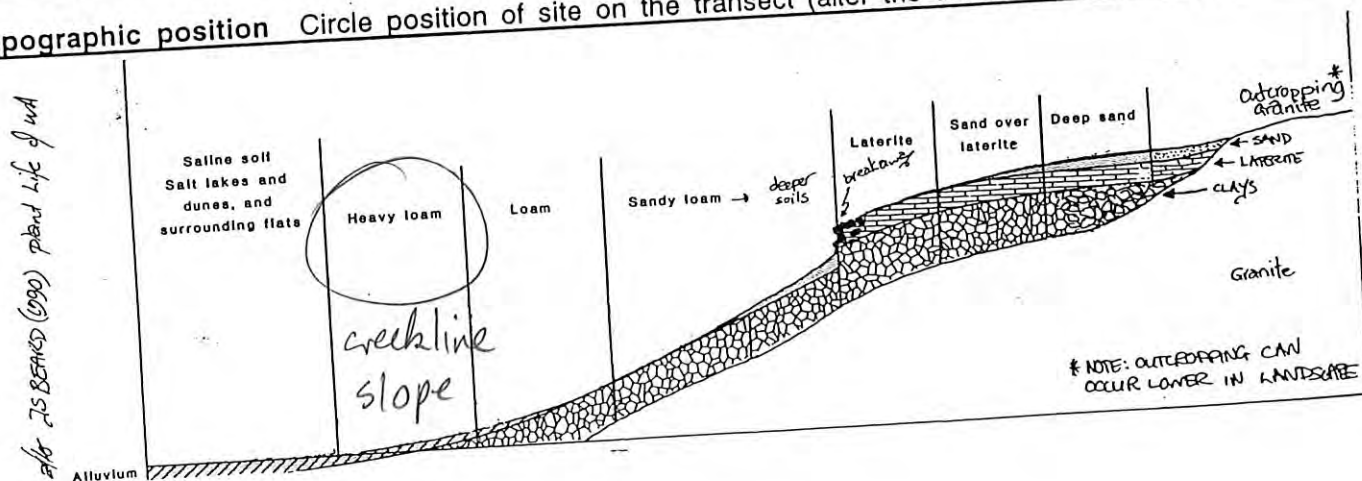
Reference Map

Photo No

Photograph

Photographer's Name

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



2. SITE DATA Circle the correct response.

Slope	<u>flat</u> gentle steep	Aspect	N NE E SE S SW W NW
Surface Soil	<u>clay</u>	% surface	Colour <u>grey</u>
Exposed rock	type	depth to rock	Colour
Sub-surface Soil	<u>clay</u>	depth to rock	Colour
Rock	type	cm	Wet all year <u>winter/spring</u>
Drainage	well <u>mod</u> poor depth water	cm	
Litter	<u>ivs twigs</u>	% cover <u>>90</u>	Bare Ground <u><10</u> %cover
	Depth <u>2-5</u>	cm	

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES

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

SHRUBS

	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)		> 70			
DOMINANT SPECIES		Mel. acumin			

GRASSES

HERBS

SEDGES

			over 0.5m	under 0.5m
LIFE FORM				
COVER CLASS (%)		< 1		
DOMINANT SPECIES				

4. VEGETATION CONDITION

Comments

excellent

HY41

DRAGON ROCKS RESERVE							
Site No.: 16		Date Assessed			Date Assessed		
Wg: <i>Eucalyptus salubris</i> Low Forest		19-Aug-98			23-Oct-98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	* <i>Bromus rubens</i>				15	0.05	
DS016.05	* <i>Vulpia bromoides</i>	15	0.1		15	0.1	
DS016.02	<i>Acacia erinacea</i>	15	0.5		15	0.5	
	<i>Austrostipa trichophylla</i>				15	0.01	
DS016.07	<i>Daucus glochidiatus</i>	5	0.15				
	<i>Eucalyptus salubris</i>	900	10	1.5	100	15	2
DS016.03	<i>Lomandra effusa</i>	30	0.3		30	0.3	
~~DS016.01~~	<i>Melaleuca acuminata</i>	180	70	1	180	75	
	<i>Pterostylis</i> sp. (off name) not in				10	0.01	
DS016.06	<i>Sclerolaena diacantha</i>	5	0.01		5	0.01	
DS016.04	<i>Senna artemisioides</i> subsp. x <i>artemisioides</i>	20	0.1		20	0.1	
	<i>Thelymitra</i> sp.				15	0.01	
	<i>Crassula colvata</i>						
	<i>Thysanotus dateronii</i>						
	<i>Caladenia saccardata</i>						
	<i>Lagenifera huegelii</i>						

Hydrocotyle medicag

30720 same

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rks SITE NUMBER DS17
 DATE TRIP 22-8-2000 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.



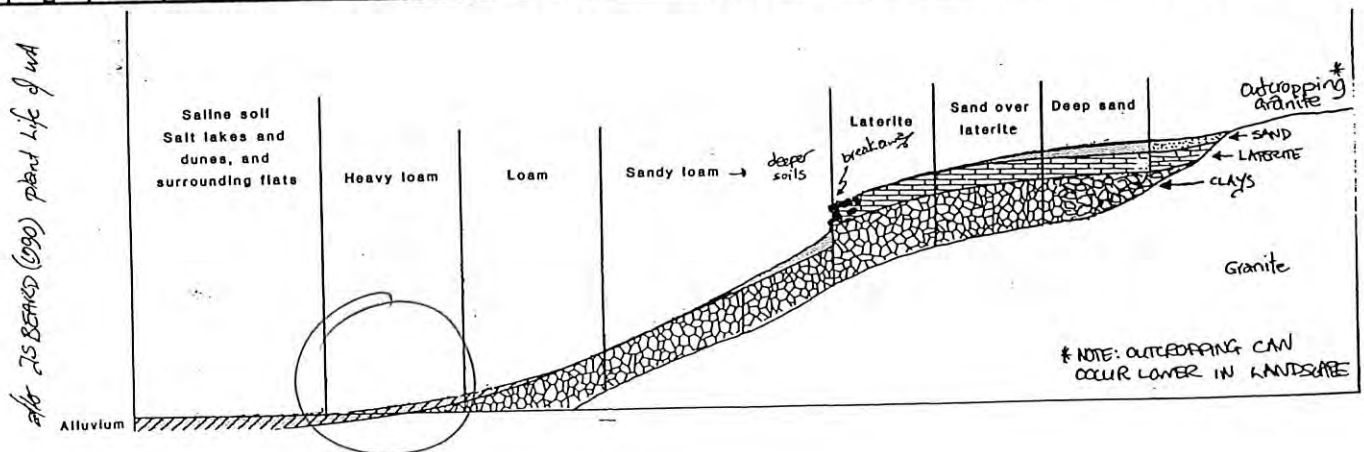
Road Location

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 gentle steep Aspect N NE E SE S SW W NW

Surface Soil type clay loam Colour brown
 Exposed rock type none % surface _____

Sub-surface Soil type clay Colour _____
 Rock type granite depth to rock > 5m

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

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

3. VEGETATION STRUCTURE AND COVER

Cover Class	2-10%	10-30%	30 - 70%	over 70%
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4. VEGETATION CONDITION

Comments

excellent

HY42

DRAGON ROCKS RESERVE							
Site No.: 17	Date Assessed			Date Assessed			
Ms: Mallee	19-Aug-98			23-Oct-98			
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
DS016.02	<i>Acacia erinacea</i>	30	6	0.5	30	10	0.5
DS017.07	<i>Austrostipa juncifolia</i>	15	0.01		25	0.01	
DS017.06	<i>Daviesia benthamii</i> subsp. <i>benthamii</i>				120	3	
DS017.02	<i>Eucalyptus calycogona</i>	600	25		600	25	
	<i>Eucalyptus salmonophloia</i>	1200	1		1000	1	
	<i>Exocarpos aphyllus</i>	120	2.5				
DS017.04	<i>Grevillea huegelii</i>	40	4		40	5	
	<i>Melaleuca spicigera</i>				110	3	
DS017.05	<i>Microcybe multiflora</i> var. <i>baccharoides</i>	40	0.3		40	0.5	
DS017.03	<i>Olearia muelleri</i>	40	5		40	6	
	<i>Santalum acuminatum</i>	230	1	2	230	2	2
	<i>Templetonia sulcata</i>				40	2	
	<i>Wilsonia humilis</i>				2	0.01	
	<i>Euc flocktoniae</i>						

20x20 same

Mallee, few stems, grey bark - upper brown
shedding long strips -

ADS Hybanthus epaeroides (USP)

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rocks SITE NUMBER DS 18
 DATE TRIP 22-8-2000 RECORDERS WM/GK/NG
 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

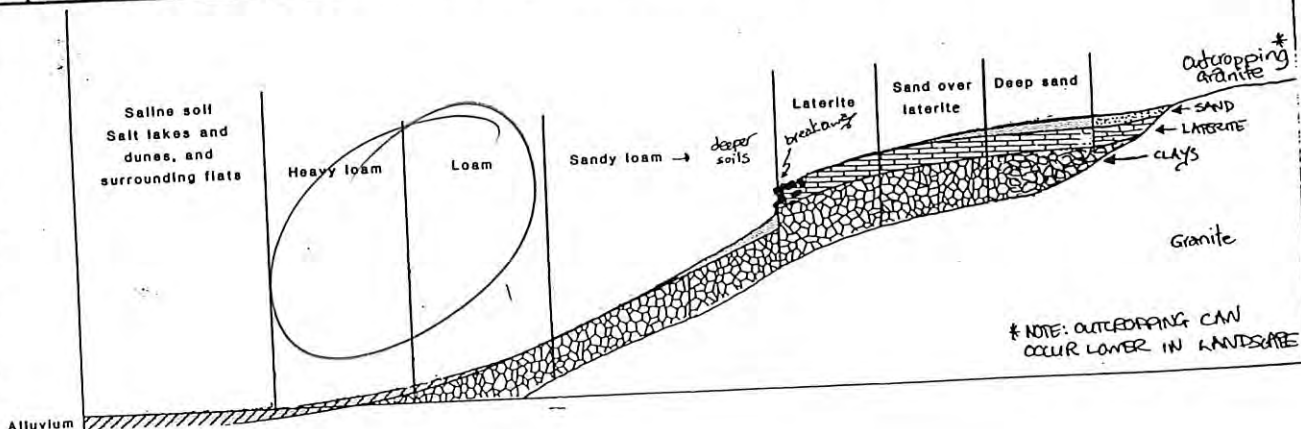
Photo No

Photograph

Photographer's Name

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

alt 75 BEAKED (1990) plant life of WA



2. SITE DATA Circle the correct response.

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

Surface Soil loam - 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 7/8, bark, twigs % cover > 90 Bare Ground < 10 % cover
 Depth 2-50 cm

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES					
	over 15m	5-15m	under 5m	MALLEES	
				over 8m	under 8m
LIFE FORM					
COVER CLASS (%)		30/70			
DOMINANT SPECIES		Euc. astring Euc. flocky			
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10				2
DOMINANT SPECIES	Mel. uncinata				Phorbatium filifolium
GRASSES					
		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<1	<1			<1
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

excellent
heavily felled, trees much larger

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

#44

BUSHLAND AREA Dragon Rocks SITE NUMBER DS19
 DATE TRIP 22-8-2000 RECORDERS GK/NG/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.

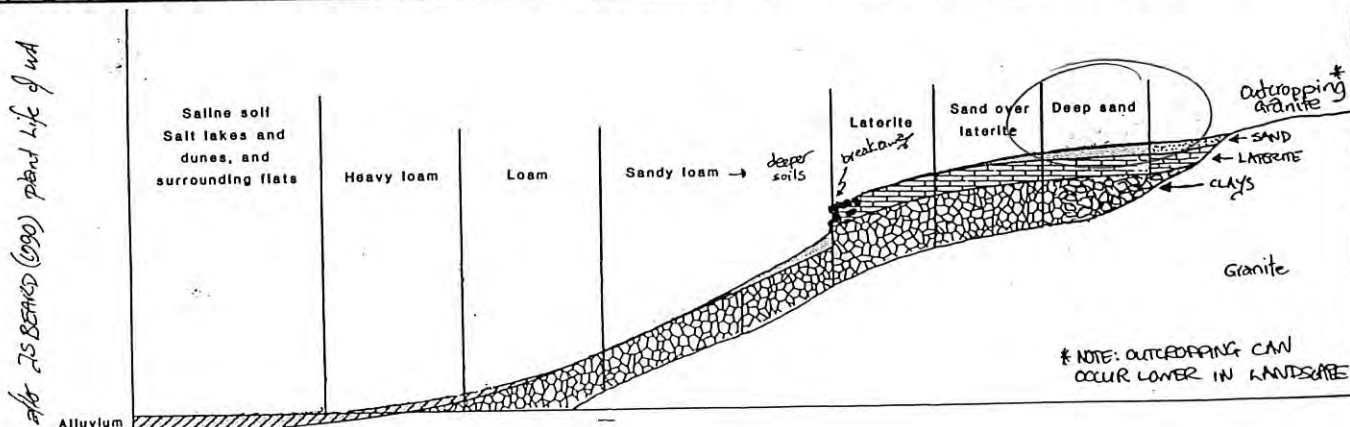


Road Location

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	<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	<u>> 1 m</u>							
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year	winter/spring				
Litter	<u>lvs + twigs</u>			% cover	<u>30</u>	<u>70</u>	Bare Ground	<u>20</u>	<u>30</u>	% cover		
	Depth <u>2-3</u>			cm								

3. VEGETATION STRUCTURE AND COVER

Cover Class	2-10%	10-30%	30 - 70%	over 70%
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4. VEGETATION CONDITION

Comments

excellent

HY44

DRAGON ROCKS RESERVE									
Site No.: 19		Date Assessed			Date Assessed				
Kme - Eucalyptus albida Very Open Shrub Mallee over Eremaea		19-Aug-98			22-Oct-98				
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D		
DS019.10	Acacia chrysocephala	30	0.1		30	0.1			
	Adenanthos argyreus <i>glaucoflorus</i>				45	0.1			
	Amphipogon turbinatus				25	0.5			
	Baeckea crispiflora				70	0.1			
DS019.12	Baeckea sp. <i>preissiana</i>	30	2						
DS008.03	Banksia violacea	160	3		160	3			
DS019.05	Beaufortia micrantha var. <i>micrantha</i>	40	6	1	80	10			
	Callitris preissii subsp. <i>verrucosa</i>	180	0.8		180	1			
	Chamaexeros serra- <i>fimbriata</i>				30	0.1			
DS008.23	Chamelaucium ciliatum	40	4						
	Chamelaucium-megatopetatum- <i>naviculum</i>				70	0.05			
DS013.12	Comesperma sp.	40	0.4						
DS019.53	Conostylis petrophiloides				25	0.1			
DS019.56	Daviesia hakeoides subsp. <i>subnuda</i>				40	0.05			
DS019.54	Daviesia mollis				40	0.1			
DS008.28	Daviesia rhombifolia	20	0.5						
DS019.14	Drosera andersoniana	1	0.1						
DS008.10	Dryandra cirsioides	130	0.4		140	0.5			
DS008.17	Dryandra drummondii	50	2.5						
DS014.07	Dryandra erythrocephala	100	2.5		100	3			
DS019.55	Dryandra octotriginta				50	0.5			
	Eremaea pauciflora				60	1			
	Eucalyptus albida	500	4	0.3	500	4			
DS019.52	Hakea corymbosa <i>platysperma</i>				220	0.5			
DS008.20	Hakea cygna	160	4.5		160	5			
DS019.11	Hakea incrassata	200	5		200	8			
DS019.07	Hibbertia exasperata	50	3.5		50	4			
DS019.06	Hibbertia lupicola <i>granulifera</i>	30	0.5		30	1.5			
DS019.08	Isopogon buxifolius var. <i>spathulatus</i>	170	3	0.5	170	3	0.5		
DS019.03	Isopogon villosus	20	0.4		20	0.5			
	Lepidobolus chaetocephalus				15	0.1			
DS014.09	Lepidobolus preissianus	15	0.5						
DS019.50	Leptospermum <i>erubescens</i> <i>indegus</i>	150	1.5		150	2.5			
	Leucopogon minutifolius				25	0.1			
	Lomandra effusa				25	0.01			
	Lomandra mucronata				5	0.05			
DS008.05	Lysinema ciliatum	60	1		60	1			
DS008.04	Melaleuca pungens	120	2.5		120	2.5			
DS019.02	Melaleuca subtrigona <i>seriata</i>	110	20	2	110	20	2		
	Mesomeleana sp. <i>preissii</i> <i>sygma</i>				45	0.1			
	Monotaxis grandiflora				15	0.1			
DS019.13	Persoonia coriacea <i>Myrtaceae</i> <i>sterile</i>	100	0.5		100	0.5			
DS019.09	Petrophile circinata	30	1		30	1			
DS019.01	Petrophile <i>ericiifolia</i> <i>marcellii</i>	110	5		110	5			
DS019.04	Petrophile squamata	60	1.8		60	1.8			
	Petrophile trifida				60	0.5			
DS007.06	Psammomoya choretroides	30	0.3		30	0.1			
DS019.51	Regelia inops				130	0.5			
DS019.15	Restionaceae sp. <i>Kulinia eludens</i> <i>usp</i>	30	0.3		30	0.1			
DS007.08	Schoenus hexandrus <i>vol eff brevisch</i>	25	0.5						
DS007.10	Schoenus lanatus	20	4	1	20	4	1		
DS013.10	Unknown sp.	20	0.8						
DS007.03	Verticordia chrysantha	30	0.2		30	0.2			
	Xanthorrhoea nana	60	1.5		60	3.5			
	Desmodium parthenica								
	Hakea platysperma								
	Drosera <i>macrantha</i> sp. <i>macrantha</i>								
	Drosera <i>zonaria</i>								
	Stylidium <i>repens</i>								
	Platysace <i>maxwellii</i>								
	Mitrella <i>trichocalyx</i>								
	Neurachne <i>alopec</i>								

? tetraaria/trichost
off compressa (usp)

Cassytha fontifera Desmodium quircanum (usp)
Pultenaea *ericaedunensis* Thysanotus sparteus
Schoenus subflavus *maxwellii* Lepidosperma brunonivum
off-verrucosa (A. C. 3163)

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rks NR SITE NUMBER DS20
 DATE TRIP 23-8-2000 RECORDERS WM/GK/NG
 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.

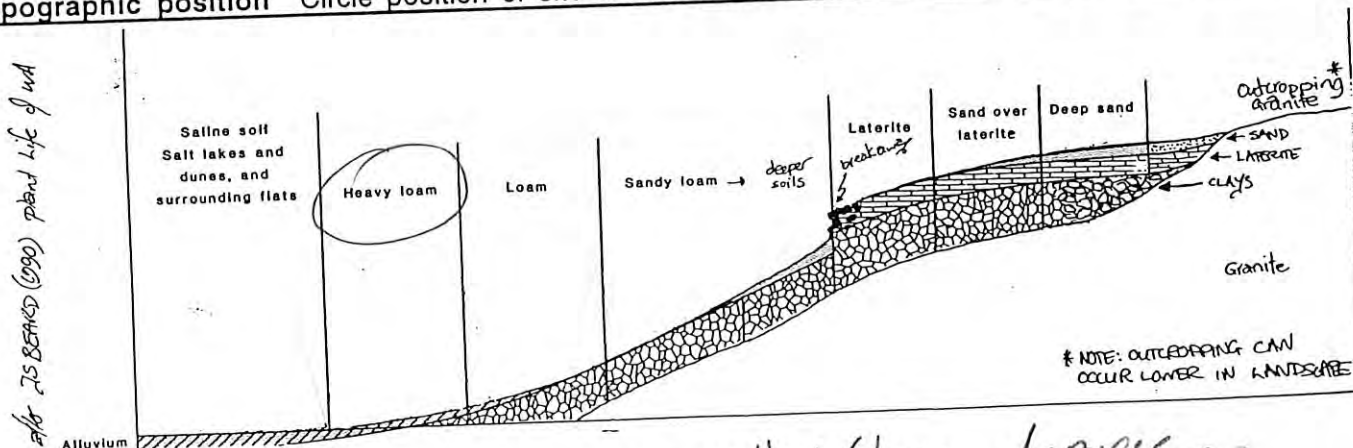


Road Location

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)



sm valley floor - depression

2. SITE DATA Circle the correct response.

Slope	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW
Surface Soil	type <u>clay</u>			Colour	<u>to room</u>							
Exposed rock	type _____			% surface	_____							
Sub-surface Soil	type <u>clay</u>			Colour	_____							
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>Wg twigs</u>			% cover	<u>30/70</u>			Bare Ground	<u>30</u>		%cover	
Depth	<u>2-5</u>			cm								

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES							
SHRUBS						SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)	scattered emerg		> 70		10/30		
DOMINANT SPECIES	Sant. acumin		Mel. uncinata Acac. uncinella		Crypt. myrianth Lecop. tamin Mel. cordata		
GRASSES		HERBS		SEDGES		over 0.5m	
						under 0.5m	
LIFE FORM						1m	
COVER CLASS (%)	< 1	< 1				10-30	
DOMINANT SPECIES						Lepidosperma visc Lecop. -	

4. VEGETATION CONDITION

Comments

excellent

HY45

DRAGON ROCKS RESERVE								
Site No.: 20		Date Assessed			Date Assessed			
Ku: Melaleuca heath		19-Aug-98			23-Oct-98			
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
DS020.14	Acacia dielsii	30	0.05					✓
DS020.18	Acacia leptospermoides subsp. leptospermoides				100	2		✓
	Acacia uncinella				120	20		✓
	Austrodanthonia caespitosa	5	0.1					
DS020.01	Baeckea crispiflora	50	5		50	8		✓
DS020.06	Cryptandra myriantha	20	10		30	0.5		✓
	Cryptandra pungens				30	0.5		✓
DS020.04	Dodonaea caespitosa	20	2					
DS020.17	Dodonaea pinifolia				40	0.5		
DS020.20	Drosera andersoniana				15	0.01		
DS020.15	Drosera stolonifera	5	0.05					
DS020.09	Hakea scoparia	100	3.5		100	3.5		✓
DS020.19	Helichrysum leucopsidium				15	0.01		
	Lepidosperma sp.				50	3		
DS020.02	Lepidosperma viscidum	60	3					✓
DS020.08	Leucopogon amminensis ~~gibbosus~~ ~~laxiflorus~~ ~~sp?~~	30	2		30	5		✓
DS020.10	Melaleuca macleayana	100	1.5		100	1.5		✓
DS020.22	Melaleuca spicigera	50	1		50	5		✓
DS020.16	Melaleuca uncinata	160	50		160	40		✓
DS020.03	Mirbelia spinosa ~~microphylla~~	15	0.3		15	0.3		✓
	Neurachne alopecuroides				5	0.1		✓
DS020.21	Platysace effusa	20	1		20	2		✓
	Santalum acuminatum				200	0.5		✓
DS020.12	Spartochloa scirpoidea	120	0.5		120	0.5		✓
DS020.07	Stylidium repens ~~bulbiferum~~ ~~grays~~	5	3		5	3		✓
	Thysanotus patersonii				T	0.1		
	Thysanotus thyrsoides				15	0.01		
DS020.13	Unknown sp.	150	4					
	Pterostylis rufa							
	Leucopogon gibbosus							
	Stackhousia monogyna							
	Dampiera ~~stegophylla~~ ~~lavandulacea~~							
	Calytrix leschenaultii							
	Cassytha ~~sp~~ ~~pomiformis~~							

✓ Leucopogon dielsianus

✓ Acacia acantholoba acantholoba

✓ Melaleuca platycalyx

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

HY46

BUSHLAND AREA Pragm Rks NR SITE NUMBER DS 21
 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.



↑ N

Road Location

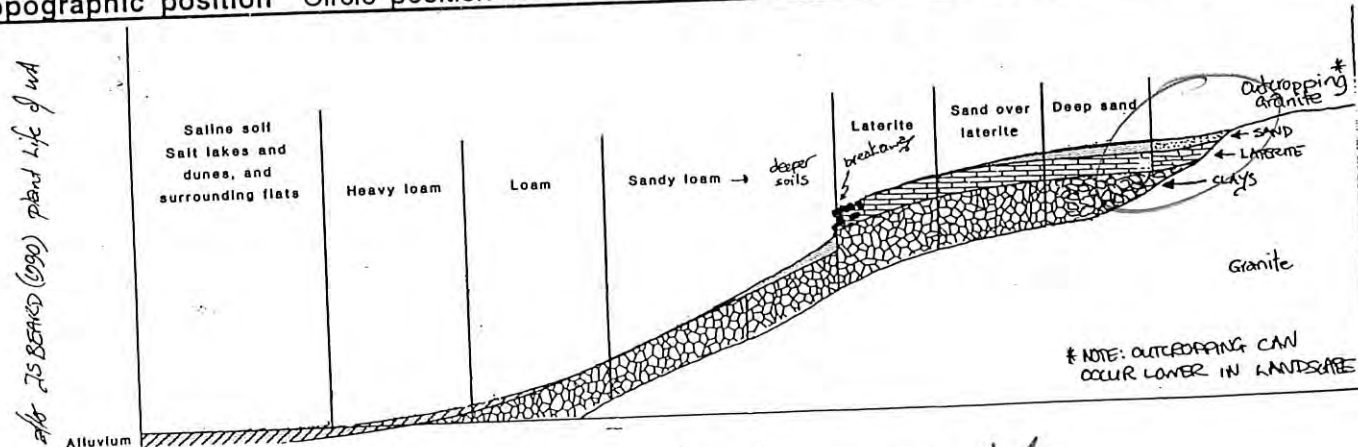
Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

Photograph _____ Photographer's Name _____

Photo No _____

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



below granite

2. SITE DATA Circle the correct response.

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

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

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

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

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

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)						10-30	
DOMINANT SPECIES						<i>Euc. sporad</i> <i>Euc.</i>	
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)		10-30			2-10		
DOMINANT SPECIES		<i>Beyeria brev</i> <i>Melaleuca</i>			<i>Polytrix leschen</i> <i>Hibbertia exasp</i>		
GRASSES		HERBS		SEDGES		under 0.5m	
				over 0.5m			
LIFE FORM						1m	
COVER CLASS (%)	2	2-10			2-10		
DOMINANT SPECIES	<i>Neenachne alopec</i>	<i>Platysace comm</i>			<i>Lepidosp</i> <i>viscidu</i>		

4. VEGETATION CONDITION

Comments

excellent

X

1 ge lvd

✓ *Leucopogon frankii* Frank

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

H447

BUSHLAND AREA Dragon Rks NR SITE NUMBER DS 22
 DATE TRIP 23-8-2000 RECORDERS WM/NG/gk
 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.

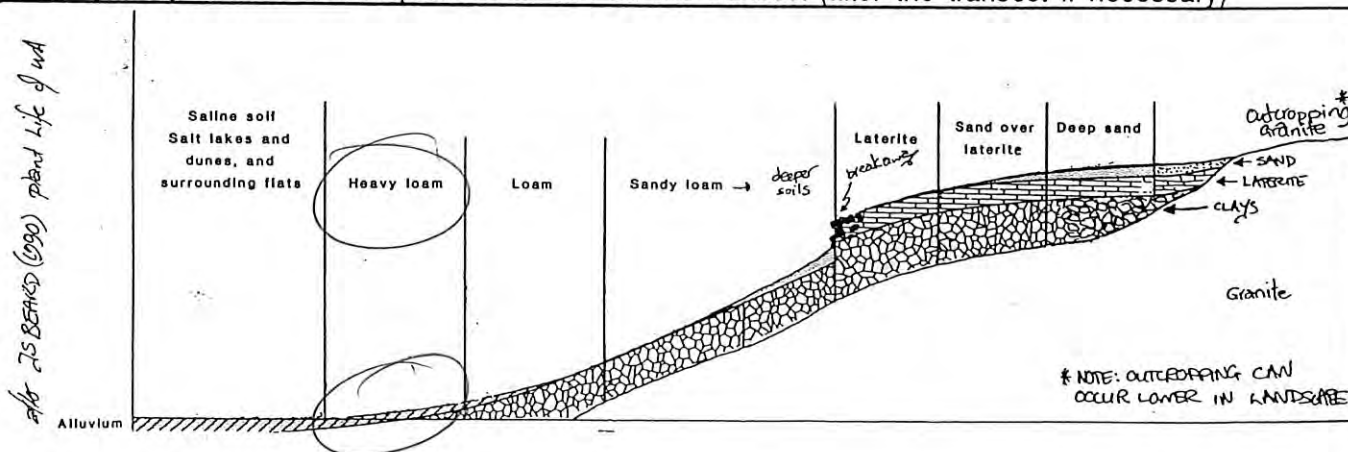


Road Location

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

Photograph Photographer's Name NG Photo No 19

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



2. SITE DATA Circle the correct response.

Slope flat gentle steep Aspect N NE E SE S SW W NW
 Surface Soil 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 WS, 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. occid. Euc. densa
	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	Mel. uncin Mel. macro " depauper				Hakea lissoc
	GRASSES		HERBS	SEDGES	SEDGES
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10/10-30		41		2/10-30
DOMINANT SPECIES	A. richmealo Spartochloa scirp				Lepidosperma E. -

4. VEGETATION CONDITION

Comments

excellent

4747

sterile
check. X

DRAGON ROCKS RESERVE						
Site No.: 22		Date Assessed			Date Assessed	
Mm: Mallee over <i>Melaleuca uncinata</i> Heath		19-Aug-98			23-Oct-98	
Coll.No.	ID Name	Ht	% A	% D	Ht	% A % D
	<i>Austrostipa elegantissima</i>				80	0.1
DS022.05	<i>Cassitya melantha</i>	T	0.05		T	0.05
DS021.10a	<i>Cryptandra nutans</i>	30	0.2		15	0.01
	<i>Dodonaea amblyophylla</i>					
DS022.06	<i>Eucalyptus densa</i> <i>phagnophylla phagn</i>	500	15	2	500	5
DS022.01	<i>Eucalyptus occidentalis</i> <i>sporadica</i> (sp)	500	10		500	20
DS021.04	<i>Hakea lissocarpha</i>	50	0.8		50	0.8
DS022.02	<i>Lepidosperma pruinatum</i> = <i>brunneum</i>	15	0.3		15	0.3
DS022.09	<i>Lepidosperma</i> sp.	25	0.15		25	0.5
DS020.02	<i>Lepidosperma viscidum</i>	60	1.2		30	0.01
DS022.03	<i>Melaleuca depauperata</i>	130	2.5		130	3
DS020.10	<i>Melaleuca laevis</i> <i>laxiflora</i>	180	20		180	20
DS022.04	<i>Melaleuca spicigera</i>	130	1.5		130	1.5
	<i>Melaleuca uncinata</i>	240	7		240	7
DS022.08	<i>Neurachne alopecuroides</i>	3	0.3		3	1
DS022.07	<i>Santalum acuminatum</i>	250	3		250	3
DS020.12	<i>Spartochloa scirpoidea</i>	80	1.5		80	2
	<i>Westringia rigida</i>				40	0.5
	<i>Dodonaea viscosa</i>					
	<i>Austrostipa trichophylla</i>					
D	<i>Homandra mucronata</i>					
	<i>Desmodium asper</i>					
	<i>Hypochaeris glabra</i>					
	<i>Thysanotus patersonii</i>					

Trymalium elachophyllum

20x20

Euc. pileata

Euc. flocktoniae

HY483

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rks NR SITE NUMBER DS 23
 DATE TRIP 22/8/2000 RECORDERS GK/NG/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.



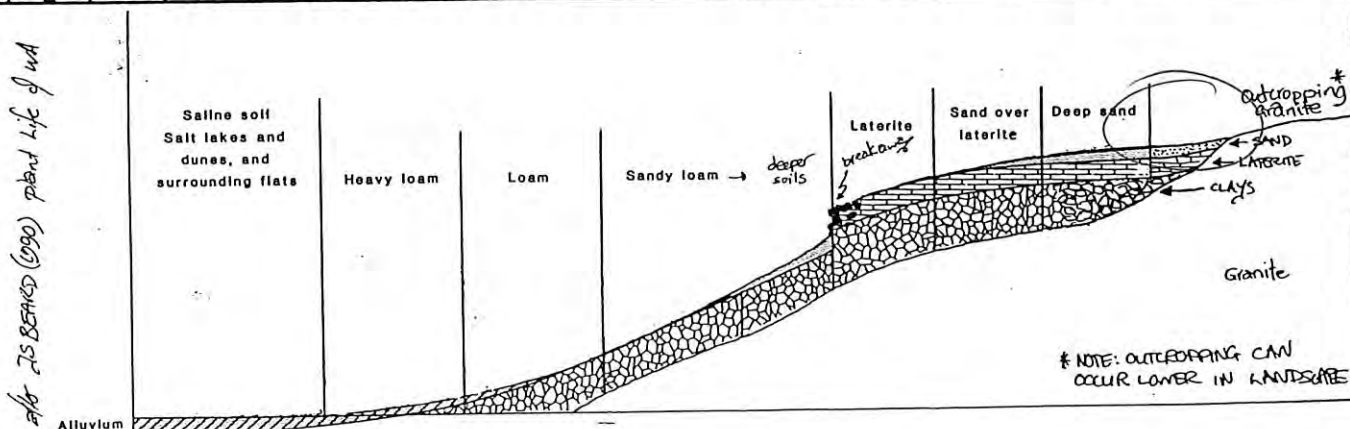
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

Photograph Photographer's Name NG Photo No 14

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>	<u>gentle</u>	steep	Aspect	N	<u>NE</u>	E	SE	S	SW	W	NW
Surface Soil	<u>sandy clay</u>						Colour		<u>brown</u>			
Exposed rock	type <u>laterite pebbles</u>						% surface					
Sub-surface Soil							Colour					
Rock	type <u>laterite</u>						depth to rock					
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet all year		winter/spring				
Litter	<u>twigs</u>		% cover		<u>30/50</u>		Bare Ground		<u>30/50</u>		% cover	
	Depth <u>2-10</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%
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TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			30/70		2-10
DOMINANT SPECIES			Melal. spathul Isop. tetetif		Syaphoea crev verticard roci

GRASSES		HERBS		SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<1	<1			10/20 -
DOMINANT SPECIES					Schoenus calceatus Lepidosperma sp

4. VEGETATION CONDITION

Comments

excellent

H748

DRAGON ROCKS RESERVE							
Site No.: 23		Date Assessed			Date Assessed		
Kh: Mixed heath		19-Aug-98			23-Oct-98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
DS008.06	Acacia moirii subsp. recurvistipula	10	0.01				
	Austrodanthonia sp.	5	0.01				
DS023.08	Baeckea crispiflora	70	0.5		70	1	
DS006.16	Beaufortia schaueri	60	5		80	5	
	Callitris preissii	100	1		100	1	
DS023.12	Calytrix breviseta subsp. stipulosa	20	0.2		20	0.2	
DS023.07	Calytrix sp.	30	0.5		70	3	
	Cassitya melantha				T	0.01	
DS023.51	Cassitya racemosa				T	0.01	
DS023.13	Dampiera oligophylla	20	0.01		30	0.01	
DS023.52	Daviesia intricata				20	0.1	
DS008.13	Dryandra ferruginea	50	2.5		50	4	
	Gastrolobium spinosum				70	0.1	
DS007.07	Hakea cygna	140	6	0.8	140	10	1
DS023.04	Hakea incrassata	40	0.3		40	0.5	
DS023.06	Hibbertia enervia	30	3		30	1	
	Hibbertia exasperata				50	1	
DS019.08	Isopogon buxifolius var. spathulatus	160	1.5		160	2	
DS008.22	Isopogon teretifolius	140	3		160	5	
DS013.13	Lepidosperma sp. "Peak Charles National Park"	25	2		25	2	
DS023.01	Leucopogon crassifolius	70	1.3				
	Leucopogon minutifolius				40	1	
	Lomandra micrantha ssp. teretifolia				5	0.1	
DS008.05	Lysinema ciliatum	100	2		100	3	
DS023.11	Melaleuca cordata	60	1.5		60	15	
DS008.33	Melaleuca spathulata	120	40		120	40	
DS023.03	Mirbelia spinosa	40	0.1				
DS023.05	Nemcia hookeri	30	0.3		30	0.5	
	Neurachne alopecuroidea				5	0.5	
DS013.05	Petrophile seminuda	100	0.3		100	1	
DS023.09	Petrophile (sp.) glauca	120	0.6		120	6	
DS019.04	Petrophile squamata	50	2.5		50	3	
DS023.02	Phebalium tuberculatum	50	0.3		50	0.5	
DS023.10	Pultenaea verruculosa	60	0.2		60	0.2	
	Schoenus calceatus				2	5	
DS007.08	Schoenus hexandrus	20	0.5				
DS007.10	Schoenus lanatus	25	3.5		25	5	
DS023.51a	Stylidium breviscapum				3	0.01	
DS014.06	Synaphea cervifolia	30	1		30	1.5	0.5
DS007.03	Verticordia chrysantha	50	0.8		50	5.5	
DS007.02	Verticordia insignis	70	5		70	3	
	Xanthorrhoea nana	80	0.8				
	Drosera (pygmy)						
	" macrantha						
	Conostylis argentea						
	Chaemax fimbria						
	Lepidosperma (tuberc)						

dead
(gwe as
intrassata
elkenhere)

dead

brunonia 22/8 (UN)

Callitris roei

✓ Hakea horrida (vsp)

✓ Cassitya paniciformis

✓ Leucopogon sp. wheathell

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rocks NR SITE NUMBER DS24
 DATE TRIP 22-8-2000 RECORDERS GK/WM/NG
 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.

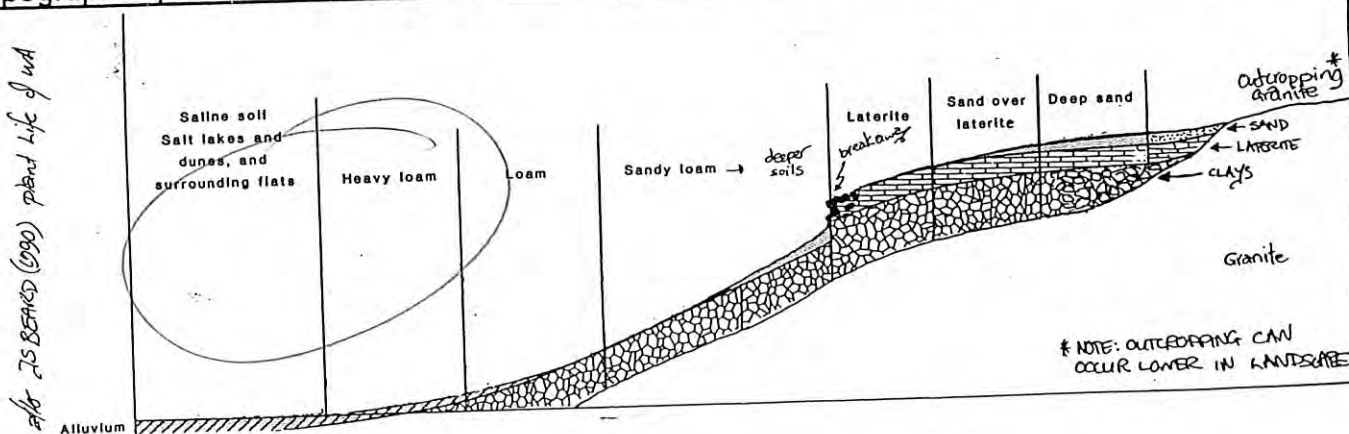


Road Location

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

Photograph _____ Photographer's Name NG Photo No 15

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	well	<u>mod</u>	poor	depth water	cm	Wet	all year	winter/spring				
Litter	<u>1-2 twigs, logs</u>										% cover	<u>30/70</u>
Depth	<u>2-5 cm</u>										Bare Ground	<u>30/50</u> % cover

3. VEGETATION STRUCTURE AND COVER

Cover Class	2-10%	10-30%	30 - 70%	over 70%
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4. VEGETATION CONDITION

Comments

excellent
bunt > 30 yrs before

HY49

DRAGON ROCKS RESERVE						
Site No.: 24		Date Assessed			Date Assessed	
Ws: <i>Eucalyptus salmonophloia</i> Woodland		19-Aug-98			23-Oct-98	
Coll.No.	ID Name	Ht	% A	% D	Ht	% A % D
DS016.02	<i>Acacia erinacea</i>	20	4.5	3	20	15 5
DS024.03	<i>Acacia sp.</i> ~~<i>Acacia</i>~~ <i>serotyla serotyla</i>	30	0.2		30	0.5
DS024.05	<i>Astroloma epacridis</i>	20	0.1		20	0.5
	<i>Austrodanthonia sp.</i>				20	0.1
	<i>Austrostipa elegantissima</i>	60	0.1		100	3
	<i>Austrostipa trichophylla</i>				20	0.1
DS024.06	<i>Cryptandra polyclada</i> subsp. <i>polyclada</i>	30	0.01		30	0.5
DS024.02	<i>Daviesia hakeoides</i> subsp. <i>subnuda</i>	70	8.5		70	10 1
	<i>Dodonaea bursariifolia</i>				30	15
DS024.04	<i>Eremophila drummondii</i>	50	0.01		50	0.1
	<i>Eucalyptus salmonophloia</i>	2200	15	4	2200	15 5
	<i>Exocarpos aphyllus</i>	140	3.5		140	5
DS017.04	<i>Grevillea huegelii</i>	40	0.5		40	0.5
	<i>Lepidosperma viscidum</i>				15	0.01
	<i>Lolium sp.</i>	150	20		200	40
DS024.01	<i>Melaleuca acuminata</i>				100	2
	<i>Melaleuca adnata</i>				40	3
	<i>Melaleuca uncinata</i>	30	6		30	2
DS017.03	<i>Olearia muelleri</i>	200	1.5		250	1.5
	<i>Santalum acuminatum</i>				15	0.1
	<i>Senecio sp.</i>				T	0.01
	<i>Thysanotus patersonii</i>					
	<i>Eucalyptus</i>					
	<i>Crassula colorata</i>					
	<i>Calandrinia sp.</i>					
	<i>Cryptandra minutifolia</i> ~~<i>minutifolia</i>~~ <i>brevistyla</i> (VSP)					
	<i>Allocasuarina acutivalvis</i>					

Cryptandra willsonii (VSP)

✓ *E. conglomerata* Mallee, sm, smth grey bark, young branches yellow-red, lvs dull-light green. (VSP)

↓
close to flowers. but broader fruit.

HY50

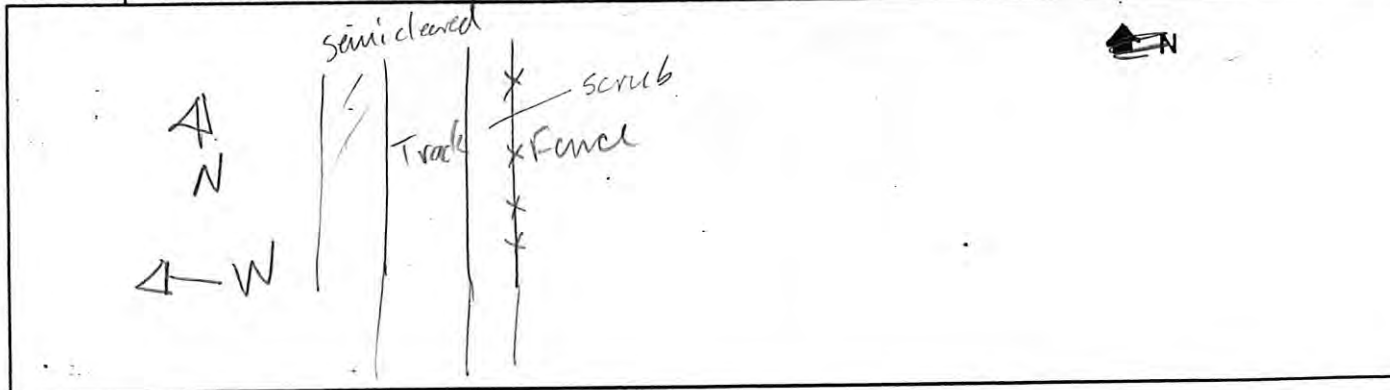
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rks NR SITE NUMBER DS 25
 DATE TRIP 23-8-2000 RECORDERS NG/NM/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.

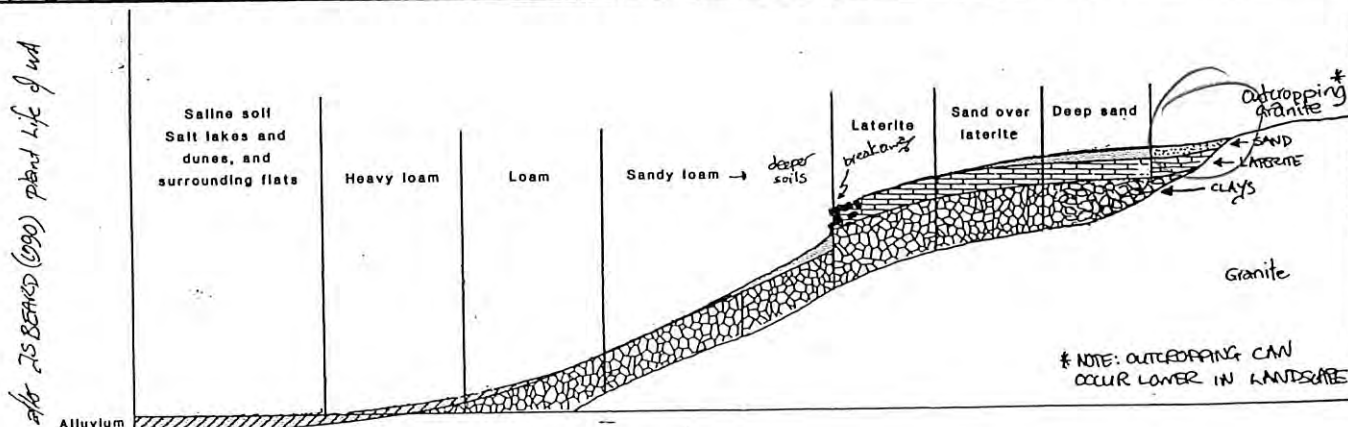


Road Location

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

Photograph _____ Photographer's Name NG Photo No 20

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



2. SITE DATA Circle the correct response.

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

3. VEGETATION STRUCTURE AND COVER

Cover Class	2-10%	10-30%	30 - 70%	over 70%
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4. VEGETATION CONDITION

excellent

HY50

DRAGON ROCKS RESERVE							
Site No.: 25		Date Assessed			Date Assessed		
Kas: Allocasuarina acutivalvas Scrub		20-Aug-98			23-Oct-98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
DS025.02	<i>Allocasuarina acutivalvis</i>	320	60	10	320	55	10
	<i>Allocasuarina campestris</i>				210	3	0.5
	<i>Astroloma serratifolium</i>	30	0.1		30	0.1	
	<i>Baeckea crispiflora</i>				50	0.1	
DS025.12	<i>Caesia micrantha</i>				40	0.01	
DS012.07a	<i>Callitris preissii</i> subsp. <i>verrucosa</i>	250	6		250	6	1
DS025.03	<i>Calytrix breviseta</i> subsp. <i>stipulosa</i>	20	0.3		20	2	
DS025.11	<i>Chamelaucium ciliatum</i>				50	0.5	
	<i>Comesperma integerrimum</i> <i>ciliatum</i>				T	0.01	
DS025.10	<i>Diuris corymbosa</i>	10	0.01				
DS006.09	<i>Drosera macrantha</i>	40	0.1		40		0.1
DS025.06	<i>Hakea subsulcata</i>	250	6		250	6	0.5
DS025.04	<i>Lepidosperma viscidum</i> ? <i>resinatum</i>	50	5		50	5	
DS025.07	<i>Leucopogon cuneifolius</i>	180	2		180	2	
	<i>Leucopogon dielsianus</i>				50	0.5	
	<i>Levenhookia stipitata</i>				2	0.01	
DS021.09a	<i>Melaleuca cordata</i>	50	1		50	1	
DS025.01	<i>Micromyrtus papillosa</i> - ms <i>racemosa</i> var	50	2		70	3	
	<i>Neurachne alopecuroides</i> <i>triflor</i>	3	0.1		3	0.1	
DS011.02	<i>Phebalium tuberosum</i>	40	2		40	2	
DS025.09	<i>Platysace maxwellii</i> <i>commutata</i>	20	0.5		30	0.5	
	<i>Ptychochaeta paniculata</i>				5	0.01	
DS025.05	<i>Schoenus nanus</i>	2	0.1				
DS007.03	<i>Verticordia chrysantha</i> ? <i>heterantha</i>	40	2		60	2	
DS025.08	<i>Verticordia insignis</i>	40	1		40	4	
	<i>Hypochaeris glabra</i>						
	<i>Glennospora drummondii</i>						
	<i>Allocasuarina corniculata</i>						
	<i>Thysanotus</i> sp						
	" <i>paterbonii</i>						

* bases. hatched
but margins
hairy

sm lvs

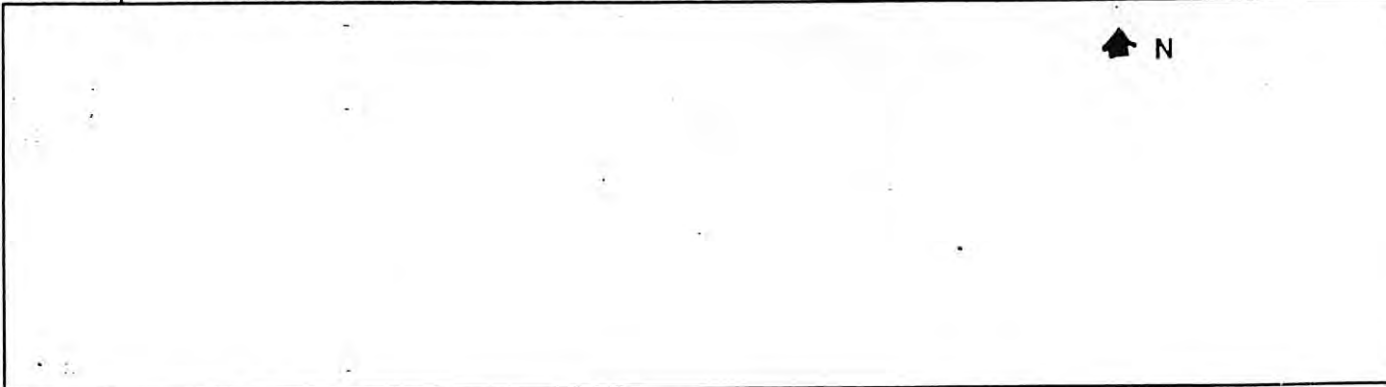
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on DO

BUSHLAND AREA Dragon Rks NR SITE NUMBER DS 26
 DATE TRIP 23-8-2000 RECORDERS YK/NG/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.

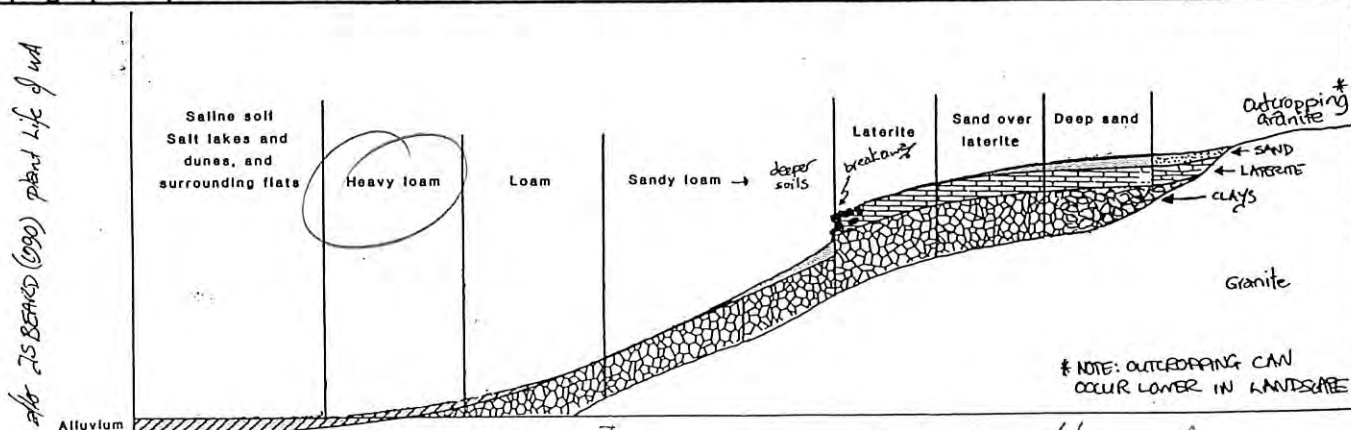


Road Location

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

Photograph Photographer's Name NG Photo No 2 /

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 loam Colour brown
 Exposed rock type _____ % surface _____

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

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

Litter logs, twigs, lvs % cover 30/70 Bare Ground 30/50 %cover
 Depth 2-10 cm

3. VEGETATION STRUCTURE AND COVER

Cover Class	2-10%	10-30%	30 - 70%	over 70%
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4. VEGETATION CONDITION

Comments

excellent

HX51

DRAGON ROCKS RESERVE								
Site No.: 26		Date Assessed			Date Assessed			
Mid: <i>Eucalyptus loxophleba</i> Mallee (drainage line)		20-Aug-98			23-Oct-98			
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	* <i>Arctotheca calendula</i>				15	0.01		
	* <i>Hypochaeris glabra</i>	2	0.1					
	* <i>Parentucellia latifolia</i>				10	0.1		
	* <i>Ursinia anthemoides</i>	5	0.2		40	0.5		
	* <i>Vulpia bromoides</i>				10	0.5		
DS026.07	<i>Acacia acutata</i>	30	0.3		30	0.3		
DS026.08	<i>Austrostipa trichophylla</i>	15	0.2		15	0.02		
DS026.05	<i>Baeckea crispiflora</i>	70	0.5		70	0.5		
DS026.10	<i>Borya constricta</i>	4	0.5		4	3		
	<i>Daucus glochidiatus</i>				20	0.5		
DS026.02	<i>Desmocladius asper</i> ms	10	0.2		10	8		
DS026.11	<i>Eucalyptus loxophleba</i> <i>gracilis</i>	800	20		800	20		
DS026.09	<i>Goodenia berardiana</i> sp	3	0.2		3	0.5		
DS026.12	<i>Hydrocotyle</i> sp.	1	0.1					
	~~<i>Hypochaeris glabra</i>~~				15		0.01	
	<i>Isotoma hypocrateriformis</i>				15	0.01		
DS026.04	<i>Lepidosperma brunonianum</i> FINE	40	1.5		40			
DS020.02	<i>Lepidosperma viscidum</i>	60	10					
	<i>Levenhookia stipitata</i>				3	0.01		
DS026.01	<i>Lomandra effusa</i> <i>dampieri</i>	40	1		40	1.5		
	<i>Neurachne alopecuroides</i>				5	3		
DS026.06	<i>Olearia axillaris</i> <i>van eremicola</i>	60	0.5		60	0.5		
	<i>Phyllangium paradoxum</i>				5	0.5		
	<i>Podolepis lessonii</i>				15	0.5		
	<i>Ptilotus manglesii</i>				15	0.01		
	<i>Restionaceae</i> sp: <i>Desmocladium asper</i>				5		3	
DS026.03	<i>Schoenus ?brevisetis</i>	15	10		15	10		
DS026.16	<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>				30	0.5		
	<i>Thysanotus patersonii</i>				T	0.5		
DS026.15	<i>Vittadinia australasica</i>				5		0.01	
	<i>Waitzia nitida</i>				20	3		
	<i>Ophioglossum coriaceum</i>							
	<i>Lepidobolus chaetaceph</i>							
	<i>Oxalis perennans</i>							
	<i>Caladenia hofmannii</i>							
	<i>Stachys monogyna</i>							
	<i>Velleia cynopotamica</i>							
	<i>Borya laciniata</i>							
	<i>Austrodanthonia caespitosa</i>							

No spec
no coll on DA

Bromus diandrus

Lobelia gibbosa

✓ *Cassipoupa glabella* ~~*paniculata*~~

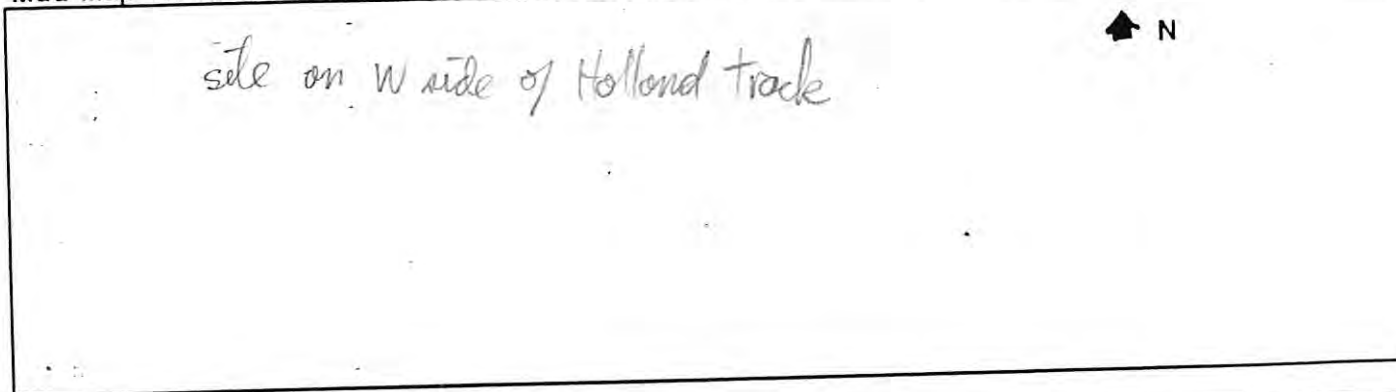
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rks NR SITE NUMBER DS27
 DATE TRIP 23/8/2000 RECORDERS GK/NG/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 _____

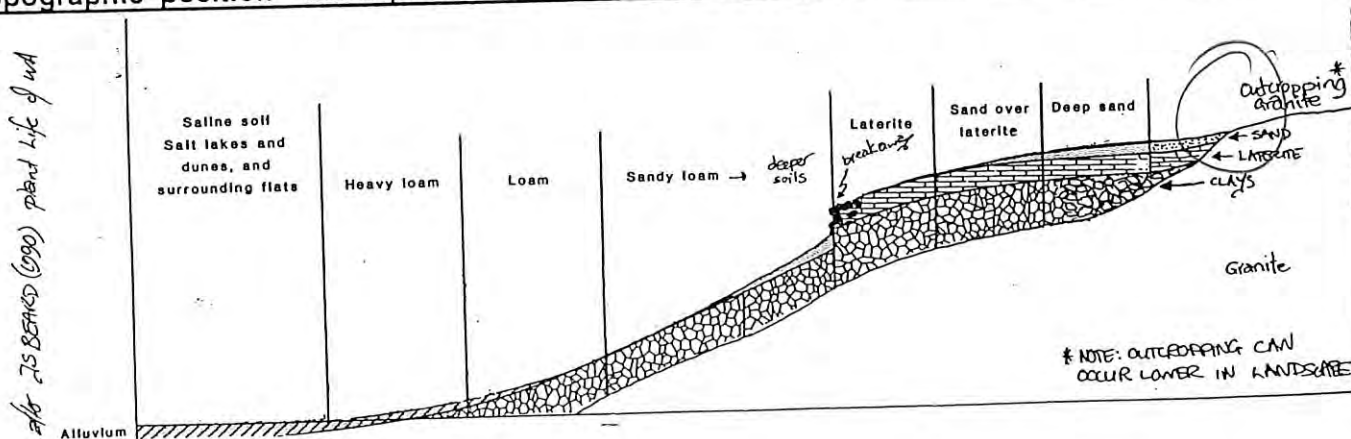
Reference Map _____

Photograph

Photographer's Name GK

Photo No 22

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



2. SITE DATA Circle the correct response.

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	S	<u>SW</u>	W	NW
Surface Soil	<u>loam</u>				Colour	<u>brown</u>						
Exposed rock	type				% surface							
Sub-surface Soil					Colour							
Rock	type <u>granite</u>				depth to rock							
Drainage	<u>well</u>	<u>mod</u>	poor	depth water	cm	Wet	all year	winter/spring				
Litter	<u>twigs, stems</u>		% cover	<u>290</u>	Bare Ground	<u>D</u>	% cover					
	Depth <u>2-20</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.

Cover Class 2-10% 10-30% 30-70% over 70%					
	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM		 (c70)			
COVER CLASS (%)		30 > 70			1
DOMINANT SPECIES		<i>Alloc. huegel</i>			<i>Euc. loxoph</i>
	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				2-10	
DOMINANT SPECIES				<i>Leptosp. erub</i>	
	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	< 1	< 2			10-30
DOMINANT SPECIES		mixed <i>Hypochaeris gl</i>			<i>Lepidosperma viscid</i>

4. VEGETATION CONDITION

Comments

very good - excellent

HY52

DRAGON ROCKS RESERVE							
Site No.: 27		Date Assessed			Date Assessed		
Wh: Allocasuarina huegeliana low forest		20-Aug-98			23-Oct-98		
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
	*Aira caryophyllea				10	0.5	✓
DS027.09	*Galium murale				15	5	✓
	*Hypochaeris glabra	2	0.2		2	0.5	✓
DS027.10	*Oxalis corniculata- <i>perennans</i>				5	4	✓
	*Trifolium sp.	2	1				✓
	*Vulpia bromoides				10		0.01
	Allocasuarina huegeliana	1000	65		1500	65	✓
	Anagallis arvensis				10	2	✓
DS026.08	Austrostipa trichophylla	15	0.1		15	0.1	✓
DS027.04	Cyanicula deformis ms	8	0.01				
DS027.07	Dianella revoluta	40	0.5	0.4	40	0.5	✓
DS027.02	Eucalyptus loxophleba <i>ssp. lissochloa</i>	300	1		300	1	✓
DS027.05	Hydrocotyle callicarpa <i>var. glabrata</i>	1	10		1	0.01	✓
DS027.03	Lepidosperma viscidum <i>resinosum</i>	100	5		100	5	✓
DS027.01	Leptospermum erubescens	200	1		200	1	✓
DS027.06	Lomandra effusa	50	3		50	3	✓
DS027.12	Millotia tenuifolia				5		0.01
	Monotaxis grandiflora				5	0.01	
	Senecio sp.				15	0.01	
DS027.11	Wahlenbergia gracilentia				15	0.01	

✓ Pterostylis ^{aff} *nanana*Caladenia *saccharata*Lobelia *gibbosa*Eriochilus *dilatatus*Thysanotus *patersonii*Microtis *media*Lobelia *tenuior*Lagenifera *huegelii*Austrostipa *elegantissima*Drosera *macrantha*Gonocarpus *nodulosus*Caladenia *hoffmanii*Calandrinia *sp*

BUSHLAND AREA Dragon Rks NR SITE NUMBER DS28
 DATE TRIP 23-8-2000 RECORDERS WM/GK/NG
 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.



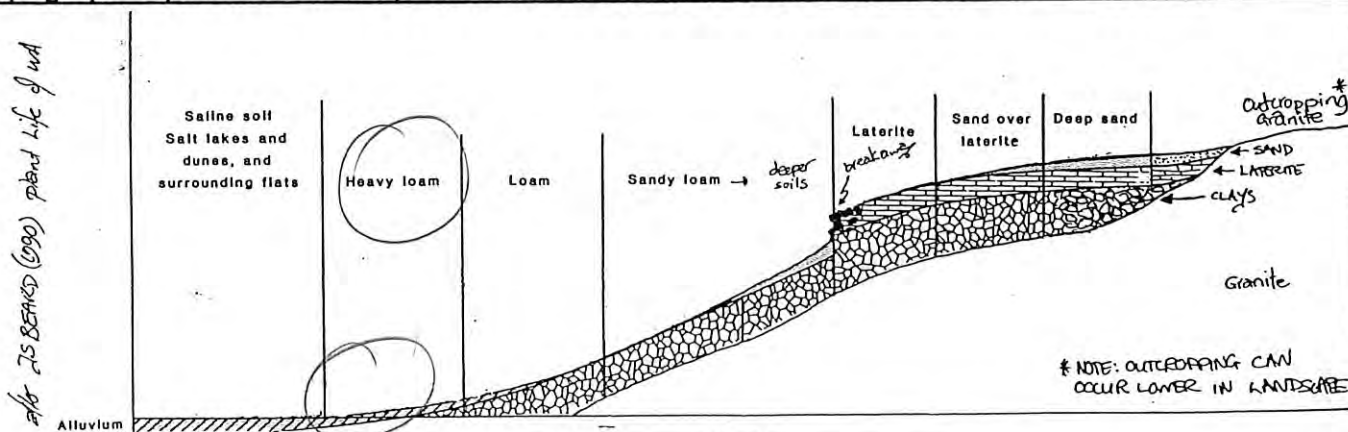
Road Location

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

Photograph _____ Photographer's Name NG Photo No 18

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



2. SITE DATA Circle the correct response.

creekline slope

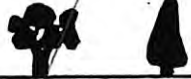
Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	S	<u>SW</u>	W	NW
Surface Soil	<u>brown - grey loamy sand</u>							Colour				
Exposed rock	<u>type</u>							% surface				
Sub-surface Soil	<u>clay</u>							Colour				
Rock	<u>type</u>							depth to rock				
Drainage	<u>well mod</u>	poor	depth water	cm	Wet	all year	winter/spring					
Litter	<u>logs, lvs, twigs</u>			% cover	<u>290</u>			Bare Ground	<u><10</u>			% cover
Depth	<u>2-20 cm</u>											

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

3. VEGETATION STRUCTURE AND COVER

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

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

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

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2				2-10
DOMINANT SPECIES	<i>Santalum acumin</i>				<i>Atriplex paludosa</i> <i>Olearia muelleri</i> <i>Templetonia sulcata</i>

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

4. VEGETATION CONDITION

Comments

excellent

HY53

DRAGON ROCKS RESERVE							
Site No.: 28				Date Assessed		Date Assessed	
W1: <i>Eucalyptus longicornis</i> Woodland				20-Aug-98		23-Oct-98	
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D
DS028.02	<i>Atriplex paludosa</i> subsp. <i>baudinii</i>	40	3.5		40	3.5	✓
	<i>Austrostipa trichophylla</i>				15	0.01	✓
	<i>Crassula colorata</i>				5	0.01	✓
~~DS028.01~~	<i>Eucalyptus longicornis</i>	1800	25		1800	25	✓
DS017.03	<i>Olearia muelleri</i>	50	0.5		50	0.5	✓
DS028.03	<i>Rhagodia preissii</i> subsp. <i>preissii</i>	40	0.1		40	0.1	✓
	<i>Santalum acuminatum</i>	40	0.01				✓
DS028.04	<i>Senna artemisioides</i> subsp. <i>filifolia</i>	40	0.01		40	0.01	✓
	<i>Templetonia sulcata</i>	30	0.4		30	0.4	✓
	<i>Lepidium rotundum</i>						
	<i>Austrostipa elegantissima</i>						
	<i>Maireana trichoptera</i>						

20X20 Euc. salmonophloia

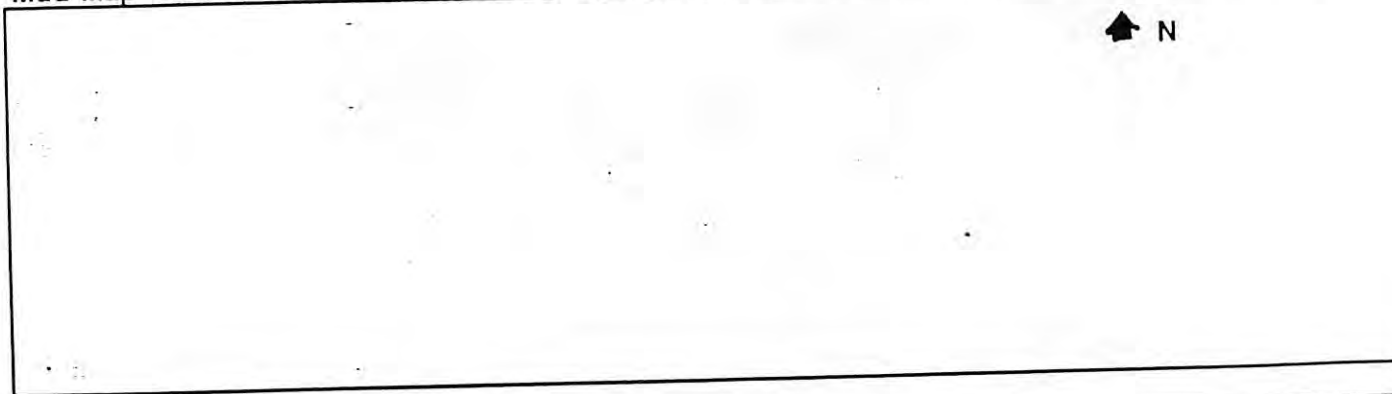
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Dragon Rocks NR SITE NUMBER DS 29
 DATE TRIP 22-8-2000 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.

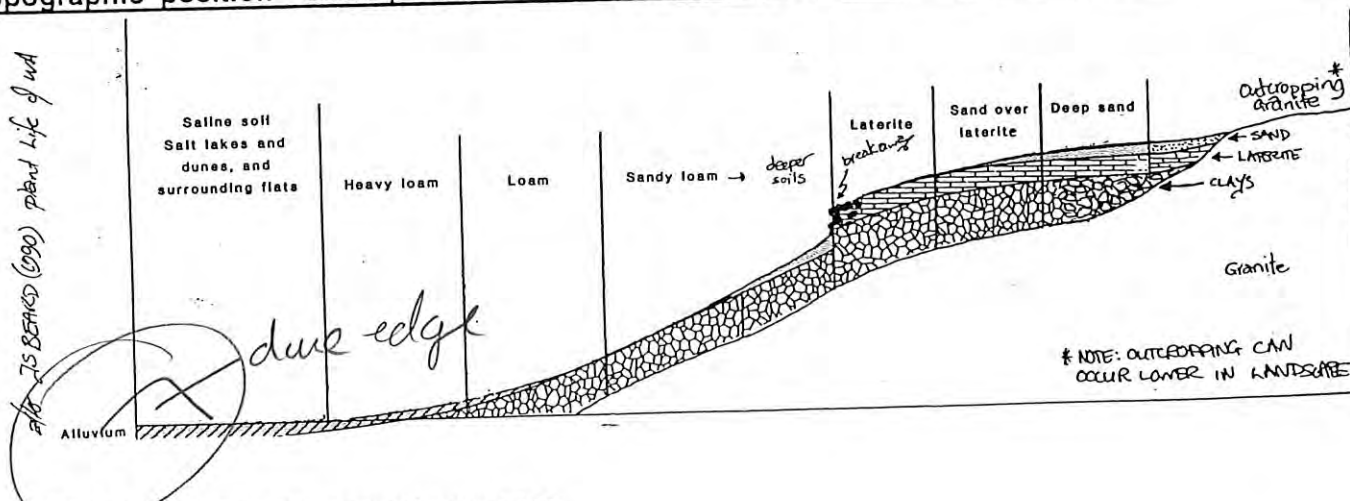


Road Location

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

Photograph _____ Photographer's Name NG Photo No 17

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>white</u>
Exposed rock	type _____	% surface	_____
Sub-surface Soil	<u>clay at depth</u>	Colour	<u>brown</u>
Rock	type _____	depth to rock	_____
Drainage	<u>well</u> ~~mod~~ ~~poor~~	depth water	cm _____
		Wet	all year <u>winter/spring</u>
Litter	<u>lvs, twigs, logs</u>	% cover	<u>70-90</u>
Depth	<u>12</u>	Bare Ground	<u>10/30</u> %cover

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)	2-	2-10					
DOMINANT SPECIES		Euc. OCC					
		E. salubris					

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	30/70				
DOMINANT SPECIES	Mel. lateriflora Mel. uncin				

GRASSES		HERBS		SEDGES		SEDGES	
				over 0.5m	under 0.5m		
LIFE FORM							
COVER CLASS (%)	< 2	< 1				2	
DOMINANT SPECIES						Desmodium	

4. VEGETATION CONDITION

Comments

disturbed by road making
in past

HY54

DRAGON ROCKS RESERVE								
Site No.: 29	Date Assessed			Date Assessed				
Wo: <i>Eucalyptus occidentalis</i> Woodland	20-Aug-98			23-Oct-98				
Coll.No.	ID Name	Ht	% A	% D	Ht	% A	% D	
	* <i>Aira caryophylla</i>				10	0.1		
DS029.02	<i>Acacia acutata</i>	30	0.5		30	0.5		✓
	<i>Austrostipa trichophylla</i>				40	0.01		✓
DS029.03	<i>Desmodium asper</i> ms	15	1		15	1		✓
~~DS029.09~~	~~<i>Dillwynia</i> sp. A~~ <i>Eutaxia microphylla</i>				40	0.5		✓
DS029.06	<i>Eucalyptus occidentalis</i>	800	4		800	4		✓
~~DS029.01~~	~~<i>Eucalyptus salubris</i>~~ <i>sporadica</i> (null)	800	90	3	800	60		✓
DS029.04	<i>Lepidosperma viscidum</i>	40	0.5		40	0.5		✓
	<i>Leptospermum erubescens</i>	150	1.5					✓
	<i>Levenhookia stipitata</i>				2	0.01		✓
DS029.05	<i>Lomandra effusa</i>	40	0.1		40	0.1		✓
~~DS016.01~~	<i>Melaleuca acuminata</i> <i>laxiflora</i>	190	17		190	25		✓
~~DS029.07~~	<i>Melaleuca uncinata</i>	160	3		160	8		✓
	<i>Neurachne alopecuroides</i>				4	0.1		✓
	<i>Dianella berrii</i>							
	<i>Hypochaeris glabra</i>							
	<i>Verticillium delectatum</i>							
	<i>Sonchus oleraceus</i>							

NO
SPECTUM
NO GROWTH IN DIS

WA Heli
redet
as
in warden

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

4755

BUSHLAND AREA Dragon Rks NR SITE NUMBER DS 30
 DATE TRIP 22-8-2000 RECORDERS WM/GK/Ng
 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.

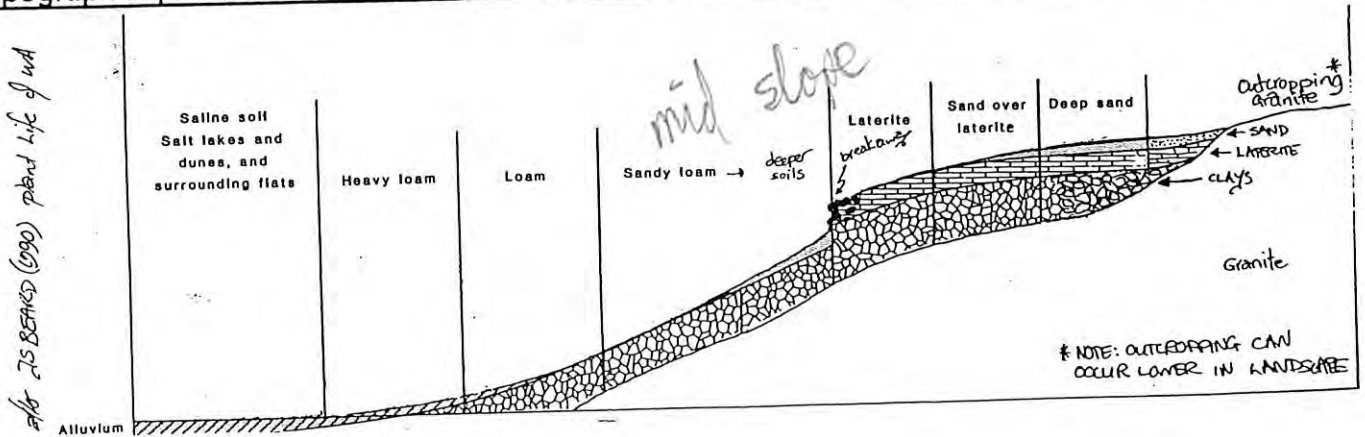
↑ N

Road Location

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

Photograph Photographer's Name Ng Photo No 16

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



2. SITE DATA Circle the correct response.

Slope	flat	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW
Surface Soil	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	1/4 twigs			% cover	50/70			Bare Ground	30/50 % cover			
	Depth 2-10			cm								

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

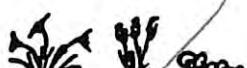
3. VEGETATION STRUCTURE AND COVER

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. eremop " pilleda
					30m 10m

	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		(30-40) 30/70 30/20			10/30
DOMINANT SPECIES		Melal laterifl Exocarp. aph			Mel. urecolaris
					2m 1m

	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<1	<1			<1
DOMINANT SPECIES					
					1m

4. VEGETATION CONDITION

Comments

excellent

DRAGON ROCKS RESERVE

[Handwritten signature]

DRAGON ROCKS NATURE RESERVE

**Plot Locations
Site Parameters
Vegetation Data**

Dragon Rocks Errors

DS16 - veg structure - (30 > 70) ^{???} ← Edc. salubris ^{????}

DS17 - do we have better distance measure

~~DS25~~
~~DS26~~ → location - ^{????}
~~DS27~~

They just don't seem to work

DS29 - do we have a better distance measure.

CLM012 - Dragon Rocks					
Note: all sites are tagged with blue, light blue, or pink flagging.					
GPS					
Date	Site	Map code	UTM	K/J	Location
19/06/98	DS1(S)	Mm	50699671	6373823	Site 40m S, 2.1km E along Pingaring Varley Rd from intersection with Holland Track (Newdegate Rd to South). Site just West of drainage line.
18/06/98	DS2(S)	Km	50697761	6374109	Site 50m E, 200m S along Holland Track from Pingaring Varley Rd. <i>LI</i>
19/06/98	DS3(S)	Kv	50700274	6373731	Site 60m on bearing 200°, 2.7km E along North Pingaring Varley Rd from intersection with Holland Track.
17/08/98	DS4(N)	Wm	50685365	6386991	Site 40m W (pink and blue flagging), 700m N along fenceline from corner of reserve which is 1.9km W of Buettner Rd, 5.1 km N of Jilakin-Flat Rocks Rd.
17/08/98	DS5(N)	Mmp	50685261	6387994	Site 40m W of fenceline, 900m N along fenceline from DS4.
17/08/98	DS6(N)	Kc	50685327	6388618	Site 20m S of fenceline, 600m North and West of DS5.
17/08/98	DS7(N)	Kt	50683305	6389853	Site 30m S of fenceline, 4.3km North and West from DS6 (now 7.5km around fenceline from Buettner Rd). <i>3.1 L</i>
18/08/98	DS8(S)	Ke	50682910	6374581	Site 60m S on bearing 210°, 250m E along Pingaring Varley Rd from Western edge of Reserve.
18/08/98	DS9(S)	G	50693656	6370393	Site 75m E (blue flagging), 5.65km S along Holland track from Pingaring Varley Rd.
18/08/98	DS10(N)	Ws	50686727	6386387	Site 65m on bearing 200°, 400m W of Buettner Rd along track/fenceline.
18/08/98	DS11(N)	Ka	50681918	6389922	Site 20m E of fenceline, 100m S of NW corner of reserve.
19/08/98	DS12(N)	Mmh	50682383	6389489	Site 450m S of Lanes Rd, 260m E of Western edge of reserve.
19/08/98	DS13(N)	Kh	50694122	6386757	Site 30m S of Mouritz Rd, 3.7km E of Buettners Rd.
19/08/98	DS14(N)	Khl	50692311	6387151	Site 30m W on E edge of reserve, 280m N of Mouritz Rd.
19/08/98	DS15(N)	Km	50682297	6380850	Site 40m E on W edge of reserve, 300m S of Jilakin Flat Rocks Rd.
19/08/98	DS16(N)	Wg	50682155	6379583	Site 50m E, 1.85km S along Western boarder of reserve from Jilakin Flat Rocks Rd.
19/08/98	DS17(N)	Ms	50690344	6381148	Site 70m N, 200m E along Jilakin-Flat Rocks Rd from its intersection with the southern western boarder
19/08/98	DS18(N)	Wb	50686329	6375172	Site 50m N, 1.6km W along Pingaring Varley Rd from junction with Buettner Rd.
19/08/98	DS19(N)	Kme	50687777	6377930	Site 30m E, 2.9km N on Buettner Rd from Pingaring Varley Rd.
19/08/98	DS20(S)	Ku	50695286	6372098	Site 30m on bearing 315°, 3.25km S on Holland track from junction with Pingaring Varley Rd.
19/08/98	DS21(S)	MI	50693969	6370713	Site 40m on bearing 320°, 5.1km S of Pingaring Varley Rd on Holland Track.
19/08/98	DS22(S)	Mm	50691509	6365925	Site 30m N of fenceline, 900m W of Holland Track/Reserve boarder.
19/08/98	DS23(S)	Kh	50689362	6375189	Site 30m S (over gravel pit), 1.4km E along Pingaring Varley Rd from intersection with Buettners Rd.
19/08/98	DS24(S)	Ws	50693490	6374920	Site 80m S, 5.8km E along Pingaring Varley Rd from intersection with Buettners Rd.
20/08/98	DS25(S)	Kas	50687493	6365250	Site 30m N, 5.1km W from corner of fenceline and Holland track. <i>4.65</i>
20/08/98	DS26(S)	Mld	50689814	6365314	Site 60m on bearing 320°, 150m up track heading NE, 3.2km W of intersection with Holland track. <i>1 peg on road.</i>
20/08/98	DS27(S)	Wh	50690691	6366479	Site 25m on bearing 330°, 1.55km NE of fenceline/Reserve southern boarder, 3.2 km W of Holland track.
20/08/98	DS28(S)	WI	50692805	6366350	Site 80m N, 750m E along Southern fenceline of Reserve from junction with Holland track.
20/08/98	DS29(S)	Wo	50697900	6360600	Site 100m N, 300m E from far southern end of reserve corner.
20/08/98	DS30(S)	Mma	50704500	6362500	Site 100m SW, 2.5km N along Tonkin Rd from intersection with Reserve's southern boundary. <i>peg on road.</i>

location
don't
work

50-704500

CLM012																
Dragon Rocks																
Site No.	Date	Veg. Type	Topography	Age since fire	Litter		Outcropping		Aspect		% bg	Soils		Pebble		Size
					Cover	Type	Type	Quant	Slope	Heading		CSS ratio	Colour	Type		
1	19/06/98	Mm	MS	>3	75	Lv>T	nil	nil	1	S	15	1:02:07	10YR5/4	nil		NA
2	19/06/98	Km	US	>3	3	Lv>T	nil	nil	nil	NA	10	1:02:07	10YR6/6	Lat		<10
3	19/06/98	Kv	MS	>3	30	Lv>T	Lat	occ	2	NE	30		10YR5/4	Lat		<1
4	17/08/98	Wm	US	>3	85	Lv>T>Lg	nil	nil	1	E	10	0:02:08	10YR5/6	Lat		<10
5	17/08/98	Mmp		>3	70	Lv>T>Lg	nil	nil	1	NW	15	0:02:08	10YR5/2	Lat		<1
6	17/08/98	Kc	MS	>3	80	Lv>T>Lg	nil	nil	2	NE	5	0:02:08	5YR4/6	Lat		<1
7	17/08/98	Kt	MS	>3	30	Lv>T	nil	nil			40	1:02:07	10YR6/6	Lat		<10
8	18/08/98	Ke	MS	>3	35	Lv>T	nil	nil			35	0:01:09	10YR5/4	Lat		<1
9	18/08/98	G	MS	>3	80	Lv>T>Lg	Gran	num	1	W	5	0:02:08	5YR4/4	Gran		<1
10	18/08/98	Ws	MS	>3	90	Lv>T>Lg	Gran	occ	2	W	7	2:02:06	10YR4/2	Gran		<20
11	18/08/98	Ka	US	>3	60	Lv>T>Lg	nil	nil	1	SW	25	4:03:03	10YR5/4	Lat		<1
12	19/08/98	Mmh	US	>3	70	Lv>T>Lg	nil	nil	2	NW	25	4:03:03	5YR4/4	Quartz/Lat		<1
13	18/08/98	Kh	MS	>3			nil	nil	2	S		2:02:06	10YR5/4			
14	19/08/98	Khl	MS	>3	30	Lv>T	nil	nil	2	E	50	1:02:07	10YR5/4	Lat		<10
15	19/08/98	Km	US	>3		Lv>T>Lg	nil	nil	nil	NA		1:01:08	10YR5/4	Lat		<1
16	19/08/98	Wg	LS	>3	80	Lv>T>Lg	nil	nil	1.5	S	10	2:01:07	10YR4/2	Lat		<1
17	19/08/98	Ms	MS	>3	85	Lv>T	nil	nil	nil	NA	10		10YR4/2	nil		NA
18	19/08/98	Wb	MS	>3	95	Lv>T>Lg	nil	nil	1	S	1	1:04:05	10YR2/2	Quartz		<1
19	19/08/98	Kme	MS	>3	30	Lv>T	nil	nil	2	E	5	0:01:09	10YR5/2	nil		NA
20	19/08/98	Kv	LS	>3	5	Lv>T	nil	nil	nil	NA	10	3:02:05	10YR5/4	Quartz		<1
21	19/08/98	MI	MS	>3	65	Lv>T>Lg	nil	nil	0.5	N	12	2:03:05	10YR5/4	Quartz		<1
22	19/08/98	Mm	DL	>3	65	Lv>T>Lg	nil	nil	nil	NA	15	1:03:06	10YR4/2	Quartz		<1
23	19/08/98	Kh	MS	>3	40	Lv>T	nil	nil	1	N	30	0:02:08	10YR5/4	Lat		<10
24	19/08/98	Ws	MS	>3	35	Lv>T>Lg	nil	nil	nil	NA	7	2:01:07	10YR4/2	nil		NA
25	20/08/98	Kas	MS	>3	80	Lv>T	nil	nil	2	NW	20	0:03:07	10YR6/6	Lat		<10
26	20/08/98	Mld	DL	>3	5	Lv>T>Lg	nil	nil	nil	NA	10	1:05:04	10YR5/4	Lat		<1
27	20/08/98	Wh	MS	>3	90	Lv>T>Lg	nil	nil	1	S	1	0:06:04	10YR4/2	nil		NA
28	20/08/98	Wl	LS	>3	95	Lv>T>Lg	nil	nil	4	SE	3	1:02:07	10YR4/2	Gran		<10
29	20/08/98	Wo	LS	>3	85	Lv>T>Lg	nil	nil	nil	NA	10	0:00:10	5YR4/1	nil		NA
30	20/08/98	Mma	MS	>3		Lv>T	nil	nil	nil	NA		0:01:09	10YR4/2	nil		NA

1 - 32 45 18.9
2 - 32 45 10.8
3 - 32 45 21.5
4 - 32 38 20.5
5 - 32 37 48
6 - 32 37 27.7
7 - 32 36 48.9
8 - 32 45 04.8
9 - 32 47 14.1
10 - 32 38 39.3
11 - 32 36 47.5
12 - 32 37 01.2
13 - 32 38 22.7
14 - 32 38 11.1
15 - 32 41 41.7
16 - 32 42 22.9
17 - 32 41 27.1
18 - 32 44 43.5

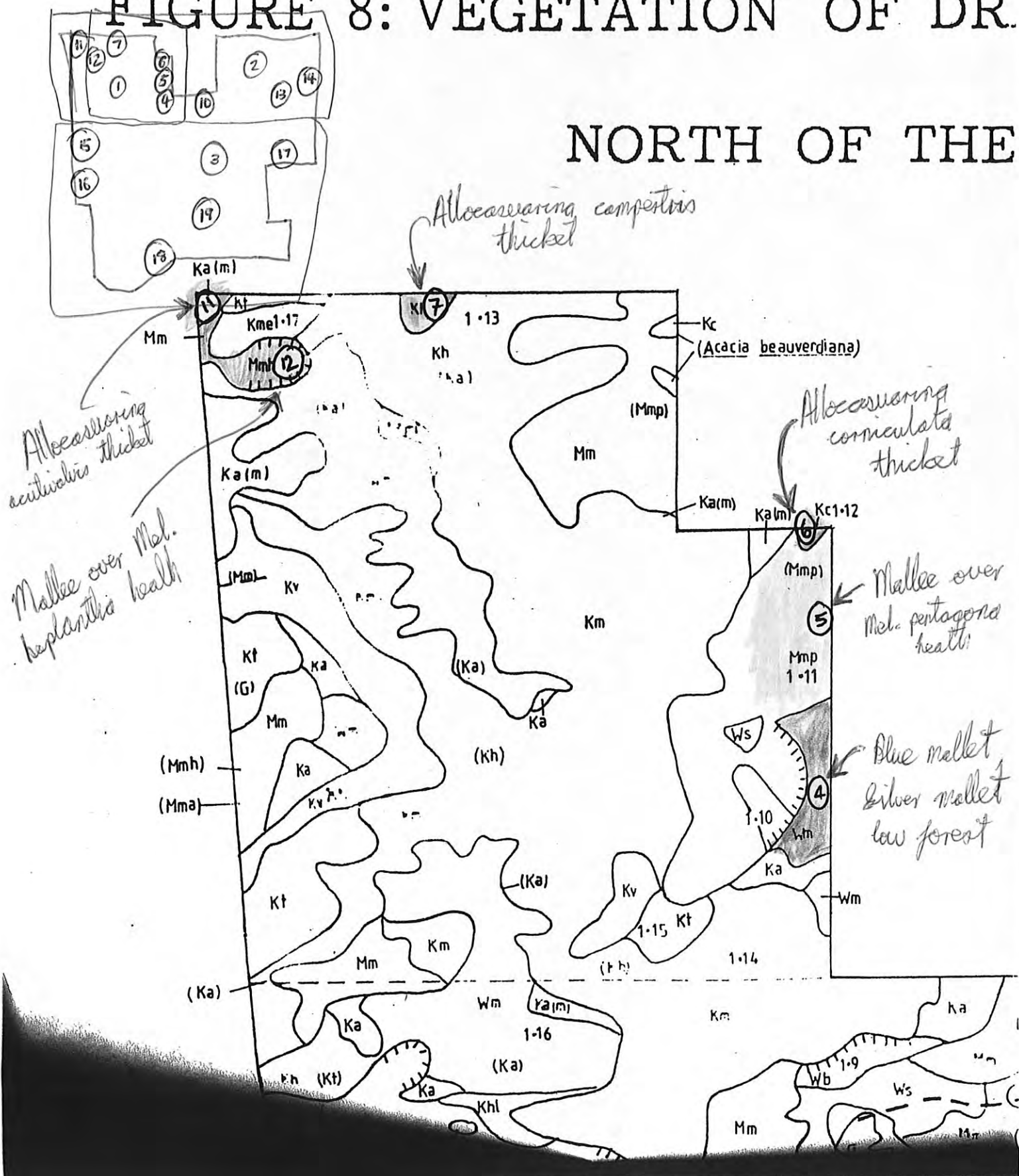
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118 56 19.7
118 56 37.8
119 04 10.1
119 03 0.4
118 56 40.6
118 56 36.1
119 01 49.3
118 59 19.5

19 - 32 43 13.2
20 - 32 46 17.7
21 - 32 47 03.5
22 - 32 49 40.4
23 - 32 44 41.1
24 - 32 44 47.3
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26 - 32 50 01.3
27 - 32 49 22.9
28 - 32 49 25.8
29 - 32 52 29.2
30 - 32 51 23.1

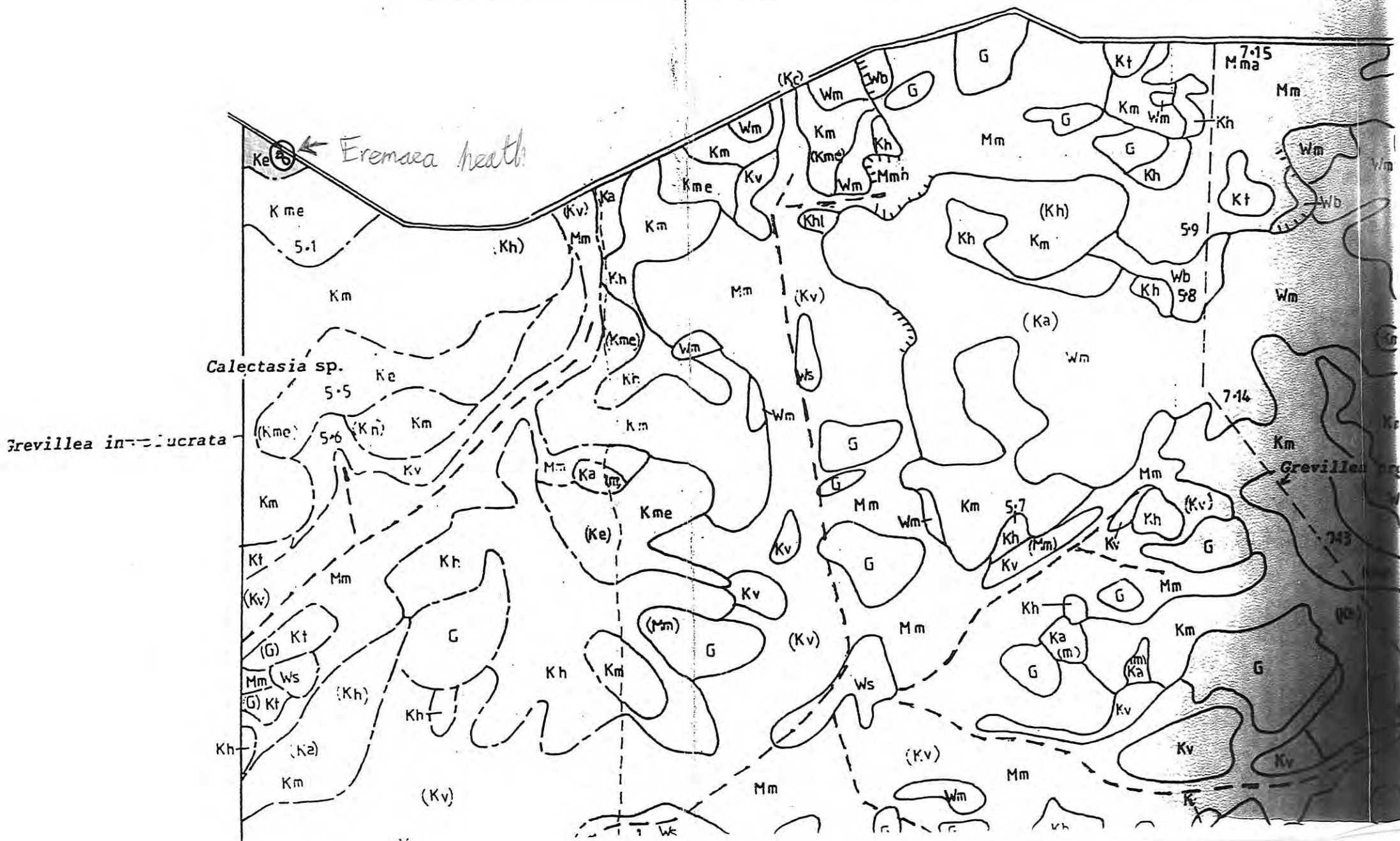
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119 11 07.3

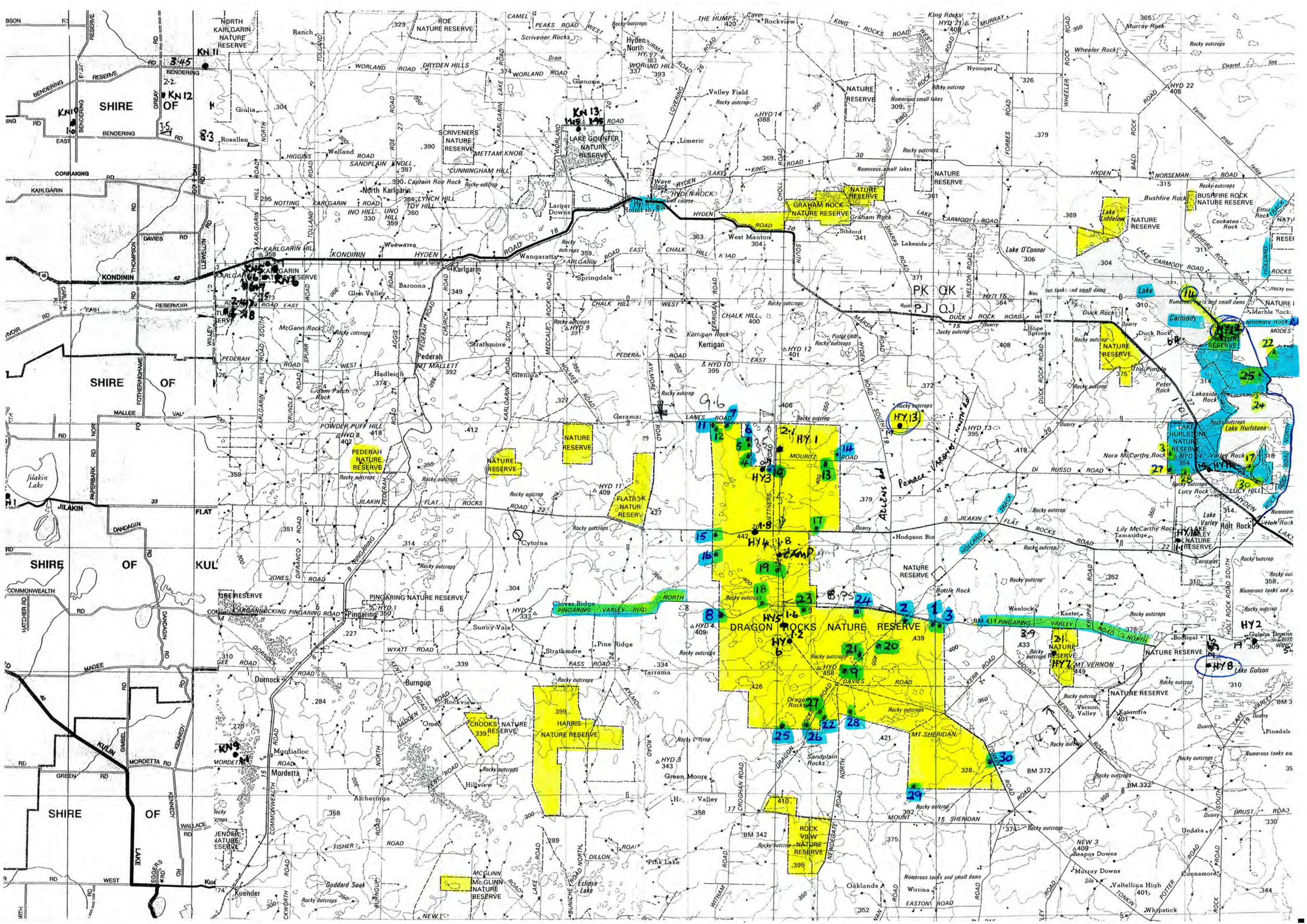
north of Varley-Pingering road

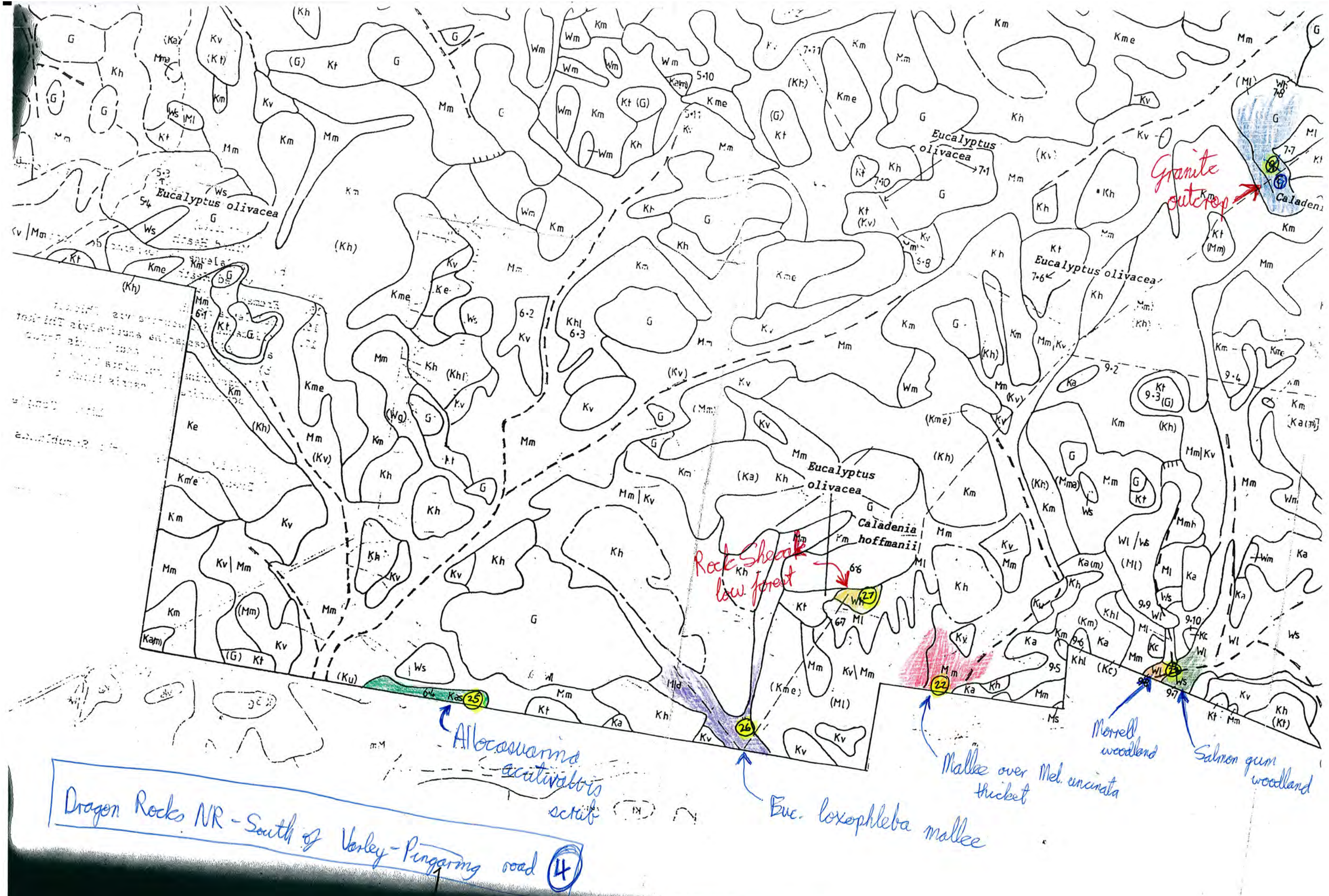
NORTH OF THE



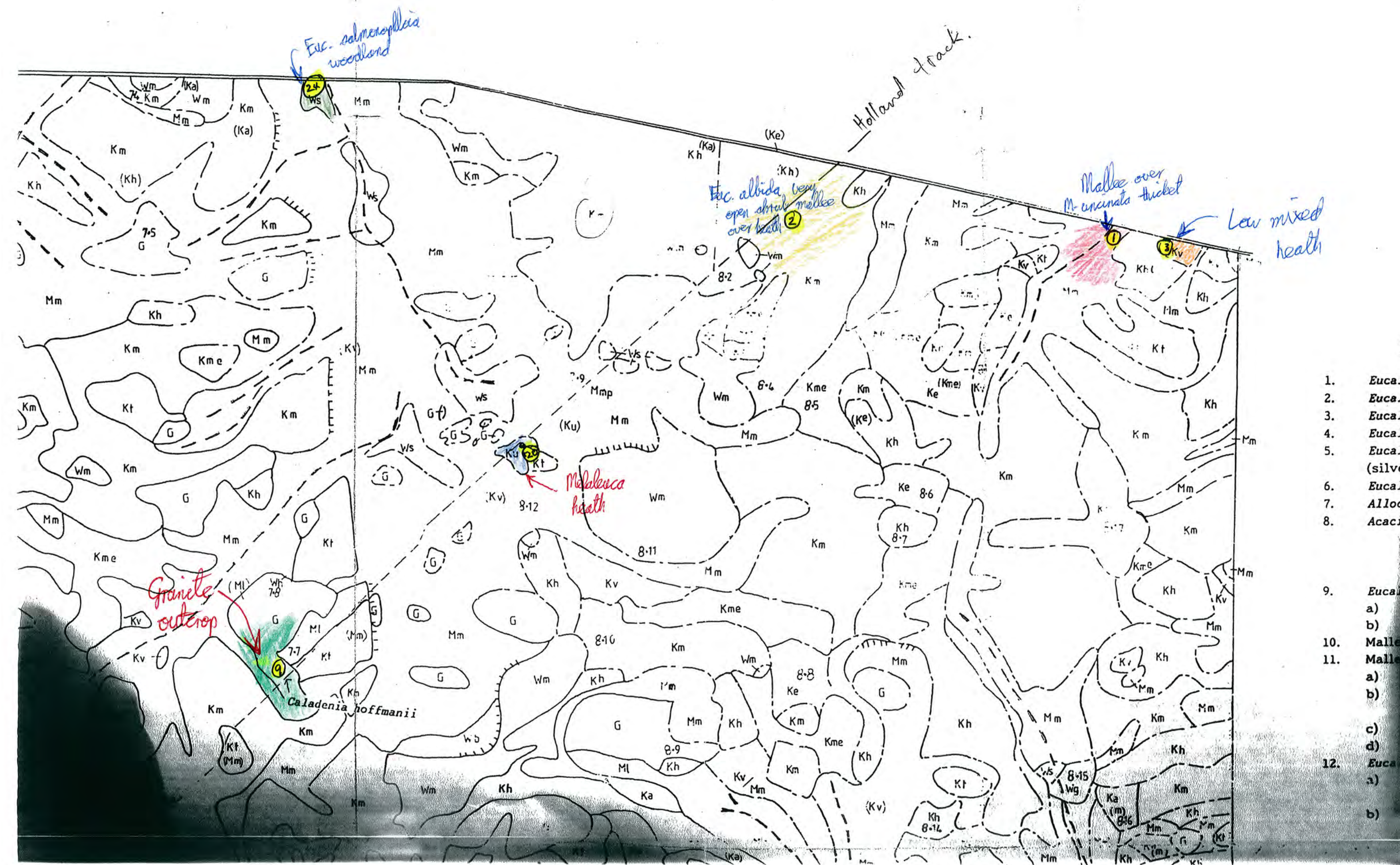
②







Dragon Rocks NR - South of Varley - Pingaring rd (3)



Lithic Complex

G

20. Granite Outcrop - Herbs, Shrublands
21. Breakaway

Dragon Rocks NR - South of Verley-Pingaring rd

(5)

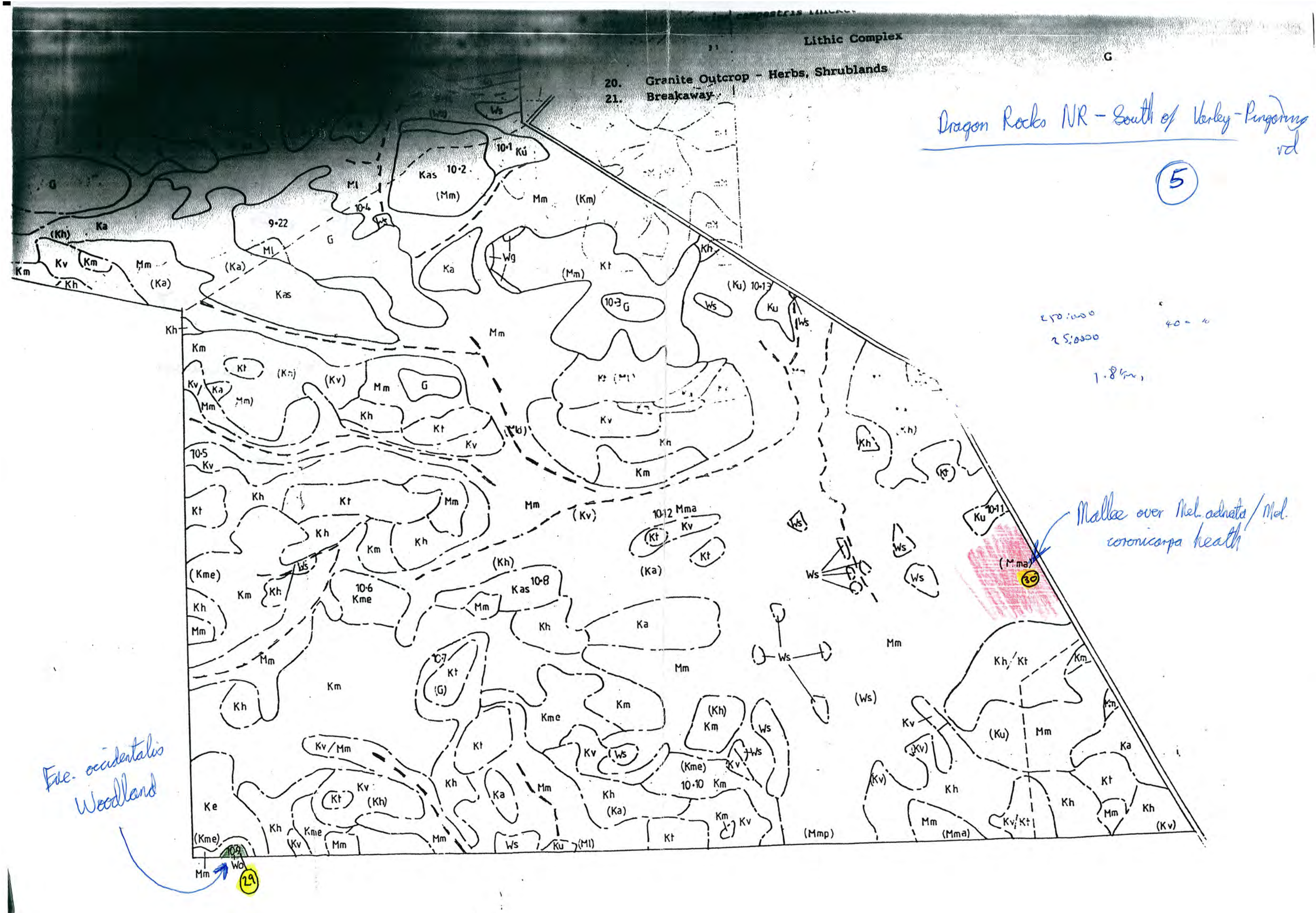
270,000
25,000

40 = 10

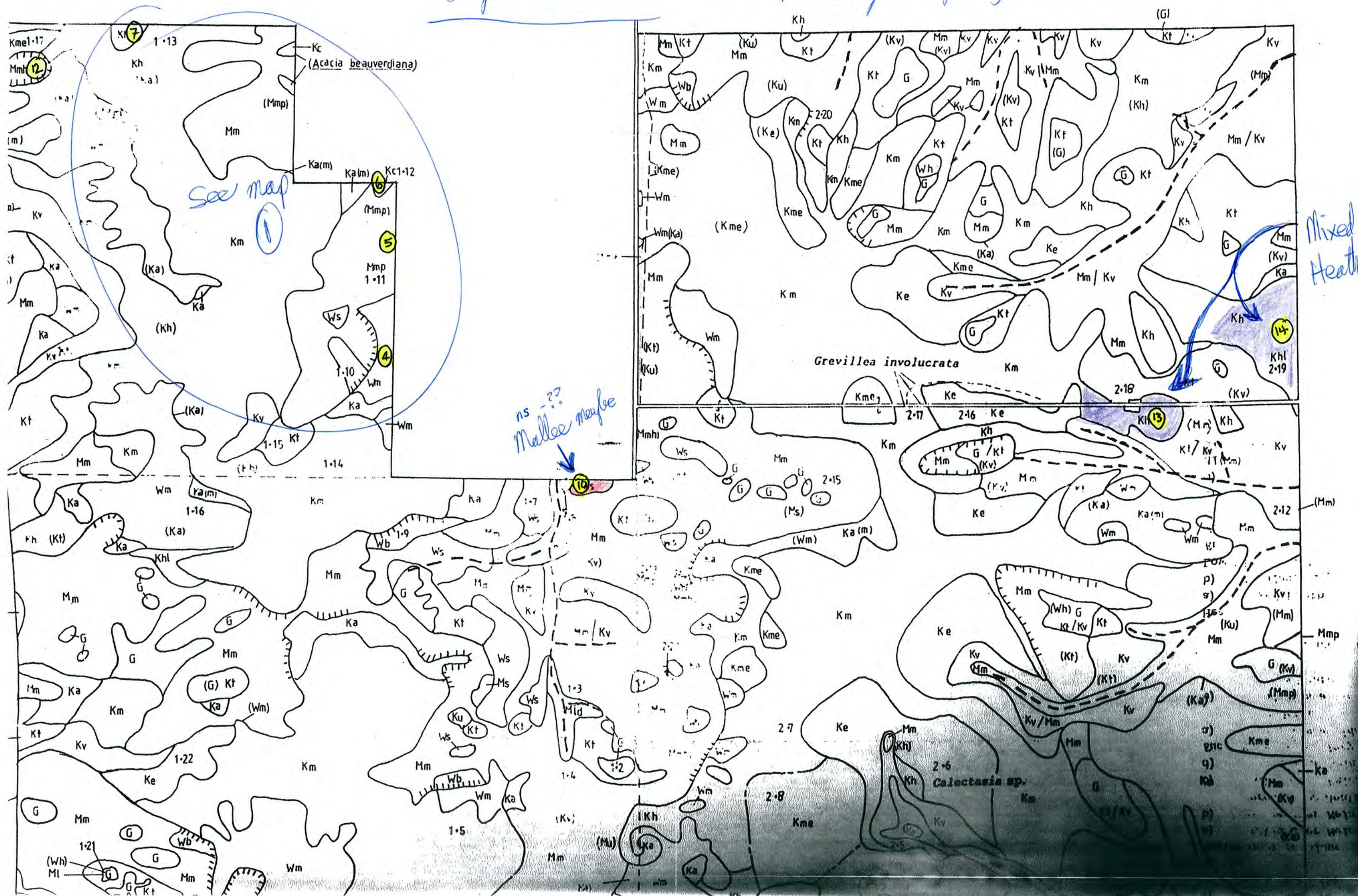
1.8 km

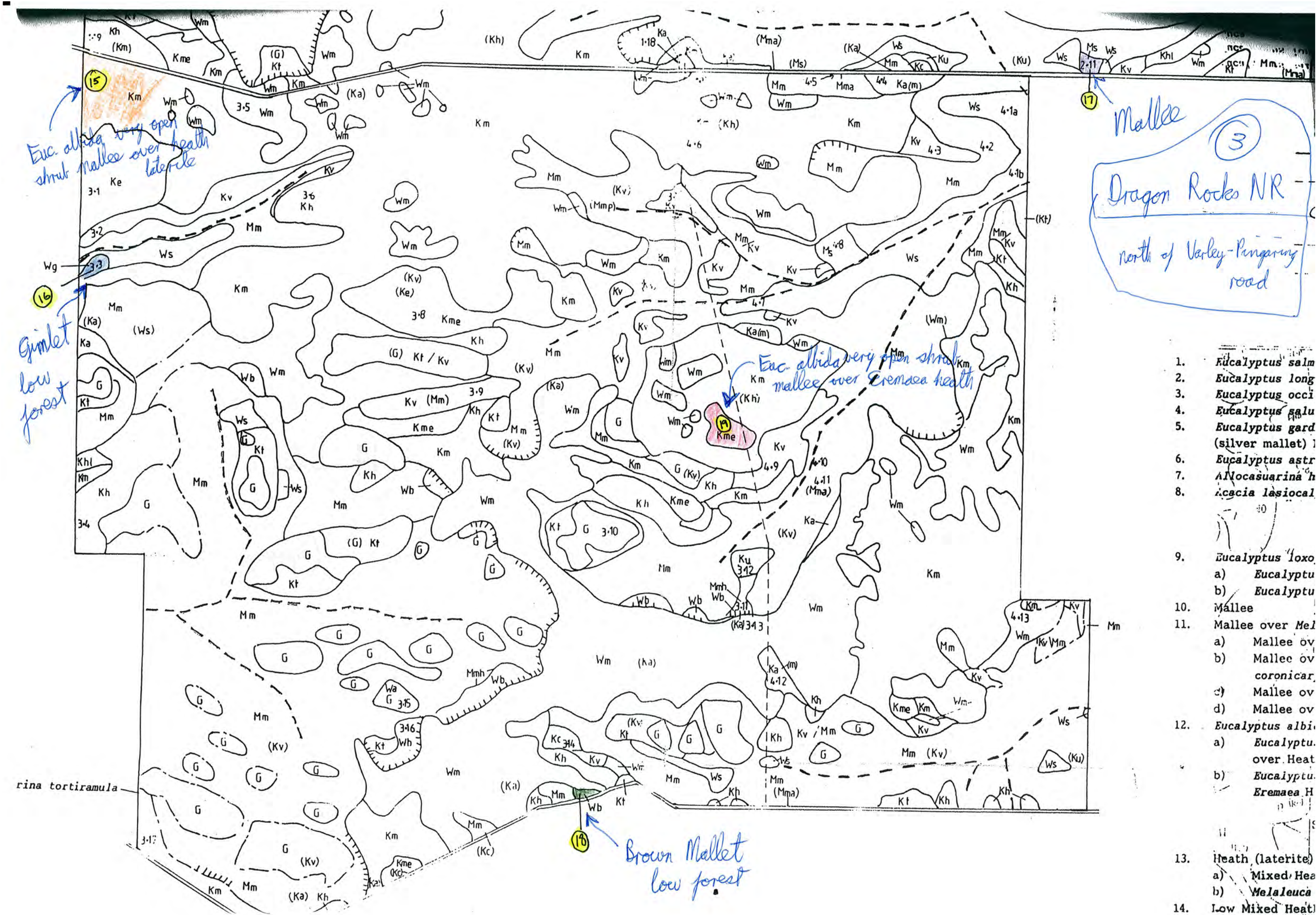
Mallee over Mel. adnata / Mel.
coronicarpa heath

Euc. occidentalis
Woodland



Dragon Rocks NR - north of Vorley - Pingaring road (2)



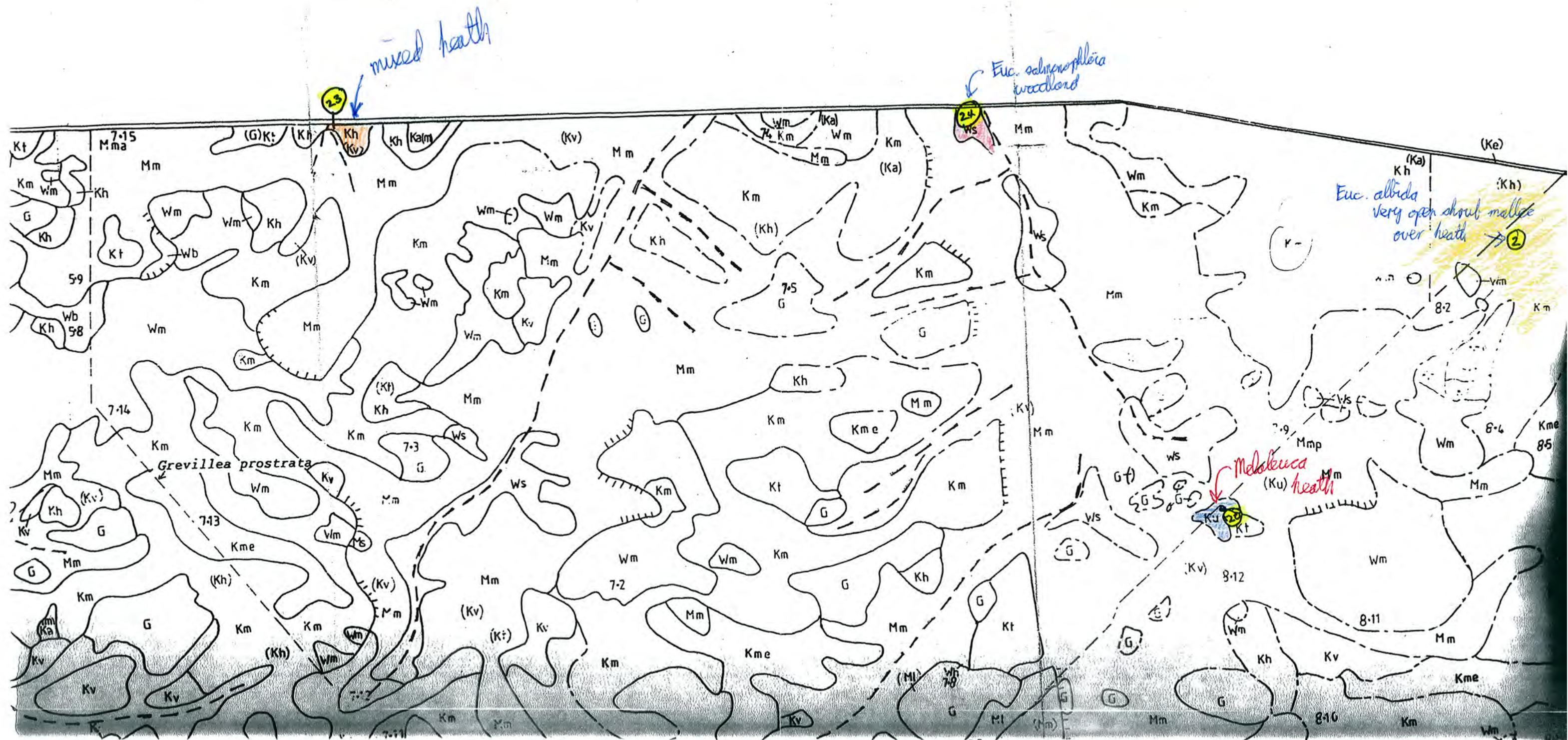


1. *Eucalyptus salm*
2. *Eucalyptus long*
3. *Eucalyptus occi*
4. *Eucalyptus salu*
5. *Eucalyptus gard*
(silver mallet)
6. *Eucalyptus astr*
7. *Acaciauarina h*
8. *Acacia lasiocar*
9. *Eucalyptus loxo*
 - a) *Eucalyptu*
 - b) *Eucalyptu*
10. Mallee
11. Mallee over Mel
 - a) Mallee ov
 - b) Mallee ov
coronicar
 - c) Mallee ov
 - d) Mallee ov
12. *Eucalyptus albi*
 - a) *Eucalyptu*
over Heat
 - b) *Eucalyptu*
Eremaea H
13. Heath (laterite)
 - a) Mixed Hea
 - b) *Melaleuca*
14. Low Mixed Heat

9: VEGETATION OF DRAGON ROCKS NATURE RESERVE NO. A 36128

SOUTH OF THE VARLEY-PINGARING ROAD

①



VEGETATION SURVEY

For

**CORRIGIN WATER RESERVE
CHARLES GARDNER NATIONAL PARK
BOOLANELLING NATURE RESERVE
DRAGON ROCKS NATURE RESERVE
BIRDWHISTLE NATURE RESERVE
LAKE HURLSTONE NATURE RESERVE**

Prepared by: Mattiske Consulting Pty Ltd

Prepared for: Department of Conservation and Land Management

Report No.: CLM012/002/99

January 1999