

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA Crossberry Hill Regional Open Space SITE NUMBER GBHR01

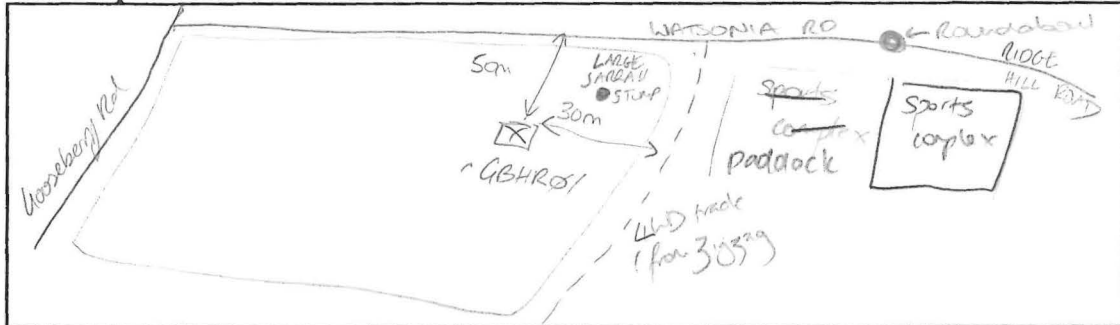
DATE TRIP 20.9.96 RECORDERS AM & ML

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 31° 57' 06.4" S Longitude 116° 01' 55.2" E Altitude 80m
GPS Map Sheet Accuracy HDOP 2.7

Photograph Name Number #15 92

Topographic Position (Circle the correct response)
Upland ☐ Lower slope ☒
Upper slope ☐ Valley ☐
Midslope ☐ Washline ☐ Ridge Hill Shelf ☒ LAND! ①

2. SITE DATA Circle the correct response

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

Surface Soil sandy/silt colluvium Depth to Rock > 1m Colour Light Brown Grey-Brown

Exposed Rock type — % surface cover — size range —

Litter 50 % surface cover Depth (cm) 5-10cm

Bare Ground 20 % surface cover

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

• Pegs at base of Jarrah tree -
• on colluvial soils of footwall. Junction of
Swan coastal plain & Scarp vegetation.

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	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)		10-30 30-70			
DOMINANT SPECIES		<i>E. marginata</i>			
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			30-70	30-70	30-70
DOMINANT SPECIES			<i>Conospermum trip</i> <i>H. lissocarpa</i> <i>A. pulchella</i>	<i>Conospermum</i> <i>Stirlingia latifolia</i> <i>X-preisii</i>	<i>Proserpinaca decurrens</i> <i>Dry. rufa</i> <i>Hibb. hypericoides</i> <i>Scaevola tomentosa</i>
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			2-10%		
DOMINANT SPECIES		<i>Anigroanthus maritimus</i> <i>Carex pumila</i> <i>Scaevola</i>	<i>Mesochorus pseudostylis</i>		

4. VEGETATION CONDITION

Comments

(4)

Eucalyptus & *Allocasuarina* & *Wattle* are
threat in event of next fire!

At Risk!! Disturbance a threat!

2

Labelled GBHRØ1

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIFIC PRESENCE

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

SITE No GBHRØ1

Record on Sheet

Date 20.9.96

3.12.96(R)

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. marginata	✓		✓	Lomandra caespitosa	✓	✓	✓	Conostylis juncea	✓	✓	✓
SHRUBS				Lomandra purpuracea	✓			Lomandra sevicea	✓	✓	✓
Halca lissocarpa	✓		✓	Drosera erythrorhiza	✓		✓	Dampiera linearis	✓	✓	✓
Conospermum undulatum	✓	✓	✓	Stirlingia latifolia	✓		✓	Cassytha porifera	✓	✓	✓
Dry. lindleyana lindleyana	✓		✓	Calactasia cyanea	✓		✓	Stylidium brunonianum	✓	✓	✓
Xan. preissii	✓		✓	Scaevola repens (?) glaberrima	✓		✓	Caesia micrantha	✓	✓	✓
riocarpa				Drosera rostellifera	✓		✓	Trichocline spathulata	✓	✓	✓
Bossiaea bracteata bracteata	✓		✓	Calandrinia convrigioides	✓		✓	Stylidium affine	✓	✓	✓
Acacia sessilis	✓	✓	✓	GRASSES				Halmidrum laxum	✓	✓	✓
Daviesia nudiflora	✓	✓	✓	Poa caryophyllacea	✓		✓	Lomandra caespitosa	✓		✓
Daviesia preissii	✓	✓	✓	Stipa pycnostachya	✓		✓	Halimolobos benthamiana	✓		✓
Eriostemon spicatus	✓		✓	Danthonia acerosa	✓	✓	✓	Thysanotus manglicianus	✓		✓
Hibbertia luegelii	✓	✓	✓	Poa sp. indet.	✓	✓	✓	Trigonostemon manglicianus	✓		✓
Bossiaea bracteata bracteata				Stipa campylachne (my id)	✓	✓	✓	SEDGES			
				Briza maxima	✓		✓				
				Briza rostellata	✓		✓	Restio sinuosis	✓	✓	✓
Nemcia capitatum	✓	✓	✓	HERBS				Mesembryanthemum pseudostigma	✓		✓
				Podochloa angustifolia	✓	✓	✓	Alexgeopaea nitens	✓		✓
				Opercularia vaginatum (2 deck)	✓	✓	✓	Tetraria octandra	✓		✓
				Conocarpus cordiger	✓	✓	✓	Mesembryanthemum tetragona	✓		✓
Daviesia decurrens	✓	✓	✓	Hydrocotyle cotula	✓	✓	✓	Agrostoidium scrubum	✓		✓
Pronaya fraseri var fraseri	✓	✓	✓	Pteroclelea panniculata	✓		✓	Caladenia flava	✓		✓
				Hydrocotyle callicarpa	✓	✓	✓	Ursinia anthemoides	✓		✓
Daviesia angulata	✓	✓	✓					Gladiolus sp. caryophyllacea	✓		✓
Petrophile linearis	✓		✓	Crassulea pedicellata	✓	✓	✓	Sowerbaea latifolia	✓		✓
Hibbertia hypericoides	✓	✓	✓					Poranthra microphylla	✓		✓
Baeckea carphosmae	✓	✓	✓					Hypochaeris glabra	✓		✓
Isotropis curvifolia	✓	✓	✓	Conostylis setigera	✓	✓	✓	Trachymene pilosa	✓		✓
Acacia pulchella	✓		✓	Scaevola canescens	✓		✓	Chamaecilla corymbosa	✓		✓
ADS: Halca vuscifolia	✓		✓	Scaevola repens (see above)	✓		✓	Sorbus darwinii	✓		✓
								Wahlenbergia preissii	✓		✓
								Centropus drummondiana	✓		✓

same

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No 06H201

Date 20.9.96

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

Record on Sheet

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

Centropogon sp.

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
E. marginata ✓				Namcia capitatum ✓				Somachaea laxiflora			
SHRUBS				Leopoldia umbellata				Poranthera microphylla			
• Hakea lissocarpa ✓				Stylidium brunonianum ✓				Drosera rostellata			
• Conostemum triplinerve ✓				Dampiera linearis ✓				Hypochaeris glabra			
• Hibb. hypericoides ✓				Cassipourea sp				Trachymene pilosa ✓			
MALLEES				Acacia sp. brachycephala				Chorizanthe corymbosa			
• Ory. nivea ✓								• Tripterococcus ?			
• Xan. preissii ✓				GRASSES				Sonchus oleraceus ✓			
• Cynodactylus setiger				Briza maxima				Wahlenbergia sp.			
• Conostylis sp. juncea				Valeriana sp.				Caladenia noddingii fruit			
SHRUBS				Microseris / Tetraena sp				Haemodorum wide strap ✓			
• Daviesia auditifolia				Poa sp.				Centropogon sp.			
• Scaevola "tomentosa" ✓				Danthonia "young inflorescence"				Podoleuca angustifolia			
• Bossia ericoides ✓								SEDGES			
• Daviesia bursi decurrens								• Mesocladia pseudostylis ✓			
• Labichea punctata ✓				HERBS				• Aloxenaria sp			
• Eriostemon spicata ✓				Thysanotus sp. climbing ✓				Tetrasia octandra ✓			
• Drosera erythrorhiza				Anigraetis mangroveana ✓				Lepidosperma angustatum			
• Stirlingia latifolia ✓				Cassia pauciflora ✓				• Loxocarya fasciculata ✓			
• Acacia sp. sessilis				• Helipterum crotula ✓				Menometrika tetragona ✓			
modfly inclusion on fruit				• Agrostocrinum scabrum ✓				Haemodorum sp. narrow strap leaf (usual)			
• Dryandra nivea ✓				Trichodine spathulata ✓				Woolly Aster ? wantzia			
• Petrophile linearis ✓				Caladenia flava				Hydrocotyle sp			
Billardiera sp. ?				• Liriodendron latifolium ✓				Crassula sp			
Hibbertia ? hirsuta ✓				Lomandra fine (white orange leaf sheath)				ADS			
Baeckhaea camphoromae ✓				Lomandra broad grey hairy ✓				• Hakea rubrifolia ✓			
• Calceutaria cyanea ✓				Stylidium brunonianum ✓							
Scaevola "glabrous"				Gutierrezia sp. ✓				also small rosetted version			
• Pezomachus pulchella ✓				Agrostocrinum scabrum ✓							

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No 0154201

Record on Sheet

- Column 1 plant name

Date 3.12.96

- Column 2 plant number

• **Column 3** **flowering time-** TICK if species flowering

- **Column 4** **identification** **check**

rescate

[illegible]

GBHRØ1

-labelled GBHRØ2!

Ticked - if on sheet. original data

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESENCE

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

SITE No GBHRØ2 Ø1 Record on Sheet

Date 20.9.96

Mislabelled - actually
GBHRØ1.

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

TREES

No FI ID

SHRUBS (cont.)

No FI ID

HERBS (cont.)

No FI ID

~~* Styliadion brunonianum~~~~* Wahlenbergia preissii~~~~* Brassica exserta~~~~* Hydrocotyle callicarpum~~

No!

G1

MALLEES

GRASSES

SHRUBS

- * Eriostemon spicatus
- * Conostylis setigera
- * Baedkea camphoromae
- * Boerhaavia eriocarpa (?)
- * Acacia sessilis
- * Hibbertia thuegelii
- * Petrophile linearis
- * Isotropis cuneifolia
- * Nemcia capitatum
- * Conospermum undulatum

HERBS

- * Trachymene pilosa
- * Calceolaria cyanea
- Gonocarpus cordiger
- * Chamaecilla corymbosa var corymbosa
- * Ursinia anthemoides
- * Caesia micrantha
- * Agrostocrinum scabrum
- * Thyrsanotus manglesianus
- * Dampiera linearis
- * Poranthura microphylla
- * Styliadion amoenum
- * Centropogon drummondiana
- * Calandrinia corrigioloides

SEDGES

- * Monoclaena pseudostygia
- * Alexgeorgea nitens
- * Tetraia octandra

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA Geography Hill SITE NUMBER GBHR02

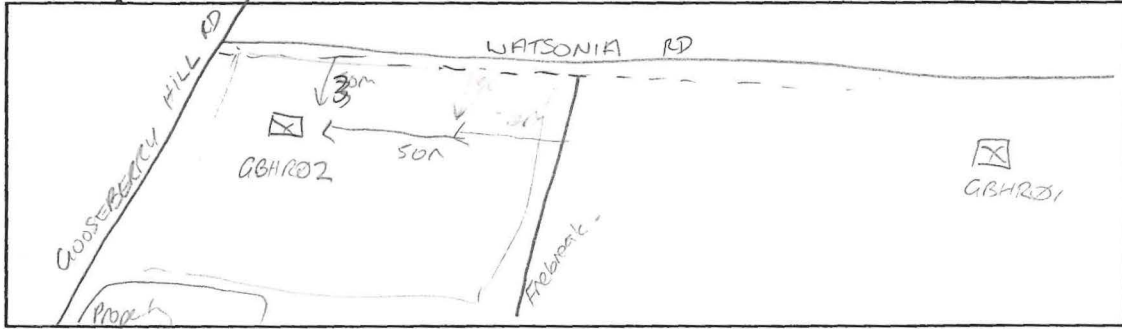
DATE TRIP 20.9.96 RECORDERS AM & ML

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 31 57 10.5 S Longitude 116 01 54.3 E Altitude 80m
GPS Accuracy PDOP-3-6
Map Sheet

Photograph Name Number #16 Roll # 2

Topographic Position (Circle the correct response)
Upland Lower slope - Laterite
Upper slope
Midslope
Valley
Washline

2. SITE DATA Circle the correct response

Slope flat gentle steep 1.5 Aspect (N) NE E SE S SW W NW

Surface Soil gravelly clay Depth to Rock 0-40cm Colour Red

Exposed Rock type laterite % surface cover 15 size range 1-3cm

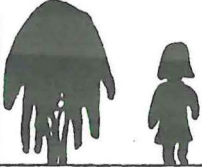
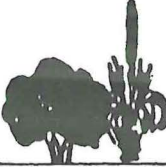
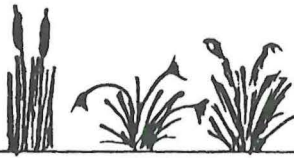
Litter 50 % surface cover Depth (cm) 10-15cm

Bare Ground 20 % surface 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	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)		over 2-10%			
DOMINANT SPECIES		<i>E. marginata</i> <i>E. calophylla</i>			
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				over 77-0%	over 77%
DOMINANT SPECIES				<i>H. lissocarpa</i> <i>X. preissii</i> <i>H. hirsuta</i>	<i>Acacia dulchifolia</i> <i>Hibiscus hypericoides</i> <i>Baccharis ramosissima</i>
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		10-30%	10-30%		
DOMINANT SPECIES		<i>Conyolipis spigera</i> <i>Chenopodium corymbosum</i>	<i>Melampyrum tetragynum</i> <i>Tetralix octandria</i>		

4. VEGETATION CONDITION

Comments

4 - Adjacent woods. Liddidus & five.
 • Remnant most westerley stand of Jarrah on
 lateite - surrounded by colluvium!
 Threatened community type !!
 Low Jarrah woodland over sclerophyll shrub layer 1m
 short (1m)

2.

GBHR02 - labelled as GBHR02

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIFIC PRESENCE

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

SITE No GBHR02

Record on Sheet

Date 20.9.96

L12.96(R)

• Column 1 plant name

• Column 2 plant number

• Column 3 flowering time- TICK if species flowering

• Column 4 identification check

NO = not in GBHR02 orig

(T. formellus
large
id as Thy hy)

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Euc. marginata</i>	✓	✓	R	<i>Nerodia capitatum</i>	✓	✓	R	<i>Thysanotus thysoides</i>	✓	✓	R
<i>Euc. calophylla</i>	✓		R	<i>Hibbertia commutata</i>	✓	✓	R	<i>Scacola glandulifera</i>	✓	✓	R
<i>Kalca leissocarpa</i>	✓		R	<i>Synaphea gracilima</i>	✓	✓	R	<i>Cassytha pomiformis</i>	✓	✓	R
<i>Kalca vivipara</i>	✓		R	<i>Hemiantha pungens</i>	✓	✓	R	<i>Thelymitra benthamicana</i>	✓	✓	R
<i>Kalca undulata</i>	✓		R	<i>Neofraserophyllum</i> sp. (10cm)	✓		R	<i>Ciccardia filiformis</i>	✓	✓	R
<i>Hibbertia hypericoides</i>	✓		R	<i>Diuris</i> ? sp. brachialis	✓	✓	R	<i>Opercularia vaginata</i>	✓	✓	R
<i>Daviesia angulata</i>	✓	✓	R	<i>Hypochaeris glabra</i>	✓		R	<i>Petersonia pygmaea</i>	✓		R
<i>Hemiantha pungens</i>	✓	✓	R	<i>Dampiera linearis</i>	✓		R	<i>Caesia micrantha</i>	✓		R
<i>Petrophile striata</i>	✓	✓	R	GRASSES				<i>Lomesperma alatum</i>	✓	✓	R
<i>Daviesia decurrens</i>	✓	✓	R	<i>Stipa pycnostachya</i>	✓	✓	R	<i>Trichocline spathulatum</i>	✓	✓	R
<i>Hibbertia huegelii</i>	✓	✓	R	<i>Stipa compressor</i>	✓	✓	R	<i>Xanthosia huegelii</i>	✓	✓	R
<i>Sphaerolobium medium</i>	✓		R	<i>Neurachne alopecuroides</i>	✓		R	<i>Drosera pallida</i>	✓		R
				<i>Piza maxima</i>	✓		R	<i>Drosera erythroliza</i>	✓		R
								<i>Haemodorum</i> sp. indet (stup)	✓		R
								<i>Stylidium bulbiferum</i>	✓		R
								<i>Stylidium hispidum</i>	✓		R
<i>Pronaya fraseri</i> subsp. <i>fraseri</i>	✓	✓	R					<i>Gladiolus</i> sp? <i>camphyllata</i>	✓		R
<i>Stenanthemum emarginatum</i>	✓	✓	R					<i>Trachymene pilosa</i>	✓		R
<i>Baedekea camphorosmae</i>	✓	✓	R	HERBS				<i>Oswestria laxiflora</i>	✓		R
<i>Olearia paucidentata</i>	✓	✓	R	<i>Hydrocotyle callicarpum</i>	✓	✓	R	<i>Lomandra saicea</i>	✓		R
<i>Boschia eriocarpha</i> (det)	✓		R	<i>Crassulea exsecta</i>	✓	✓	R	<i>Goodenia aff. micrantha</i>	✓		R
<i>Acacia pulchella</i>	✓		R	<i>Pterochaeta paniculata</i>	✓	✓	R	<i>Lomandra purpuracea</i>	✓	✓	R
<i>Xanthorrhoea preissii</i>	✓		R	<i>Wahlenbergia preissii</i>	✓	✓	R	<i>Thelymitra benthamicana</i>	✓	✓	R
<i>Brillia bipinnatifida</i>	✓		R	<i>Rhodanthe citrina</i> (Waitzia)	✓	✓	R				
<i>Lycopodium complanatum</i>	✓		R	<i>Levenhookia stipitata</i>	✓	✓	R	SEDGES			
<i>Lechenanthea biloba</i>	✓		R	<i>Oreanaedocilla corymbosa</i>	✓	✓	R	<i>Cyathochaeta queneana</i>	✓	✓	R
				<i>Levenhookia pusilla</i>	✓	✓	R	<i>Tetraria octandra</i>	✓		R
<i>Dryandra lindleyana</i> Lindleyana	✓		R	<i>Thysanotus sparteus</i>	✓	✓	R	<i>Loxocarya fasciculata</i>	✓		R
<i>Gompholobium marginatum</i>	✓		R	<i>Stylidium brunonianum</i>	✓	✓	R	<i>Meconella tetragona</i>	✓		R
<i>Chorizandra dicksonii</i>	✓	✓	R	<i>Goodenia caerulea</i>	✓	✓	R	<i>Schoenus graminifolius</i>	✓	✓	R
<i>Baedekea camphorosmae</i>	✓		R	<i>Tripterococcus brunonis</i>	✓	✓	R	<i>Schoenus nenus</i>	✓	✓	R
<i>Sphaerolobium medium</i>	✓		R	<i>Conostylis setigera</i>	✓	✓	R				

ADJ: *Burchardia congesta* ✓ ☒
Crassula pedicellosa ✓ ☒ADJ: *Allocas. humilis* ✓ ☐

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No GBHR02

Record on Sheet

Date 20.9.96

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

30-70! Mesonchena
tetragona

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>E. marginata</i> ✓			✓	<i>Conospermum duberlii</i> ? ✓			✓	<i>Hydrocotyle</i> sp. ✓			✓
<i>E. calophylla</i> ✓				<i>Rhamnaceae</i> (Cryptandra -) ✓			✓	<i>Podochilus caespitosus</i>			
				<i>bilobed leaves</i>				<i>Myrsine glabra</i>			✓
SHRUBS				<i>Trichocline gracilior</i> ✓			✓	<i>Dampiera linearis</i> ✓			✓
<i>H. fissocarpus</i> ✓				<i>Hibb. comutata</i> ✓			✓	<i>Lamproloma</i> sp. ✓			✓
<i>H. trifurcata</i> } <i>Hakea</i> ✓				<i>Synedra</i> sp. ✓			✓	<i>Chamaecrista verticillata</i> ✓			✓
MALLES				<i>Cassylia</i> sp. ✓			✓	<i>Tetraria octandra</i> ✓			✓
<i>H. undulata</i> ✓				<i>Hibbertia hughii</i> ? ✓			✓	<i>Typhlococcus</i> sp. ✓			✓
<i>Hibb. hypericoides</i> ✓				GRASSES							
<i>Acacia pulchella</i> ✓				<i>Stipa</i> ? <i>flavescens</i> ✓			✓	<i>Trachypogon pilosus</i> ✓			✓
<i>Xan. preissii</i> ✓				<i>Neurachne algeriensis</i> ✓			✓	<i>Biza maxima</i> ✓			✓
SHRUBS				<i>Dioscorea palmata</i>				<i>Billardiera</i> sp.			✓
<i>Grevillea bipinnatifida</i> ✓				<i>Proserpinaca angustifolia</i>				<i>Scaevola laxifolia</i> ✓			✓
<i>Corchorus asper</i> ✓								SEDGES			
<i>Patchouli pugnaea</i>				• <i>Hemigera pungens</i> ✓			✓	<i>Mesonchena</i> <i>tetragona</i> ✓			✓
<i>Lechenanthea pilosa</i> ✓				<i>water snake herb</i>				<i>Leptocarpus</i> ✓			✓
<i>Labichea punctata</i> ✓				• ? → originally called <i>Centaurium</i>				<i>Scleranthus</i> sp. (black bases) →			✓
<i>Dry. nuda</i> ✓				<i>Goodenia</i> aff. <i>mean</i> ✓			✓	<i>Lomatium</i> sp. (large grey leaves)			✓
<i>Coronilla setigera</i>			✓	HERBS				<i>Lepidosperma angustatum</i> ?			
<i>Scaevola</i> sp. (no fruit)			✓	<i>Stylidium bungeanum</i> ✓			✓				
<i>Gonolobus marginata</i> ✓			✓	<i>Homocidum</i> sp. strap leaf ✓			✓				
<i>Chorizanthe dillenii</i> ✓				<i>Stylidium bulbiferum</i>			✓	• <i>Woolley white</i> <i>Stylidium</i> / <i>Woolley</i> ✓			✓
<i>Baerkea camphorosa</i> ✓			✓	<i>Stylidium piliferum</i> ✓			✓	• <i>Cassula</i> sp.			✓
<i>Sphaerolobium</i> sp. ✓			✓	<i>Rhynchospora</i> sp. no leaf			✓	• <i>Xanthorrhoea hughii</i>			✓
<i>Nerica capitatum</i> ✓			✓	<i>plate leaf</i>				• <i>Isidore</i> sp.			✓
<i>Crocia parviflora</i> ✓			✓	<i>Glaucolobus</i> sp. ✓			✓	• <i>Tuicoryne</i> sp. <i>elater</i> ?			✓
<i>(same as)</i>				<i>Crocia parviflora</i> ✓			✓	• <i>Acacia</i> <i>barbigena</i> ?			✓
GERANIUM				<i>Proropogon</i> sp.							
<i>Loxocarya fasciculata</i> ✓				<i>leafy</i>				• ADJ.			
				<i>40cm high</i>				• <i>Burchardia caespitosa</i>			
				• <i>Diuris</i> sp.			✓	• <i>Allocas. humilis</i>			

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No G.BHRØ2

Record on Sheet

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

Date 3.12.96

Reasons

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
								Bilobed unid Rhamna ceap 4			
								Stipa sp			
								Conostylis setosa // setosa			
								Scaevola sp			
								Sphaerodolium nodum			
MALLEES								Wardia paniculatum			
								Juncus pusillus			
				GRASSES				Hibbertia hirsuta			
								Pentstemon ovatus			
								Dorocarya fasciculata			
SHRUBS								wid - purged - leaves			
								SEDGES			
								Hemirandia rugosa			
								Dawsonia preisii			
								Goodenia barua			
				HERBS				Tricoryne obscurifolia			
								T. platior ?			
								Agr. Scabrum			
								Tripterocarpos			
								Olearia paucidentata			

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA Gooseberry Hill ^{Regional} Space SITE NUMBER GBHR03

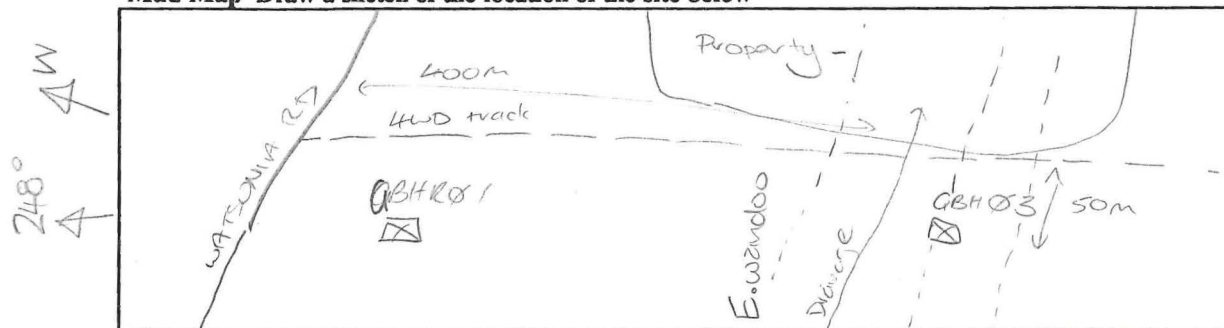
DATE TRIP 20.9.96 ^{-near WATSONIA RD.} RECORDERS AM & ML

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 31 57 05.7 S Longitude 116 01 59.9 E Altitude 90m
GPS Accuracy
Map Sheet MUNDARING PDOP 3-6

Photograph Name Number # 19 # Row 2

Topographic Position (Circle the correct response)
Upland ☐ Lower slope ☒
Upper slope ☐ Valley ☒
Midslope ☐ Washline ☒

Seasonal Dampland

2. SITE DATA Circle the correct response

Slope flat ☐ gentle ☒ steep ☐ Aspect N NE E SE S SW W NNW

Surface Soil clay Depth to Rock >1m Colour Red

Exposed Rock type gravel % surface cover 20-5% size range 1-5cm

Litter 3 % surface cover Depth (cm) 1 layer - 1cm

Bare Ground 30 % surface cover

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

u-shaped Drainage line in lower slope = clay flat - At junction Rts + Scarp Lower Slopes!
x winter wet depression

Photo No: 20 + 21

x B. rudis woodland, with Themeda australis u/stacey, on red dolerite clays.
Not common but worth considering for survey.

condition of u/stacey? → indicator of disturbance (grazing?)

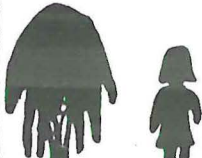
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

3. VEGETATION STRUCTURE AND COVER

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

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

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

SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			2-10%	10-30%	30-70%
DOMINANT SPECIES			<i>X. praeii</i>	<i>H. lissocarpa</i> <i>Acac. pulchella</i> <i>Acac. quadrif.</i>	<i>Hypo. angust.</i> <i>Acac. pulchella</i> <i>Dry. nivea</i>

GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		30-70	10-30%	<i>Leptocarpus</i>	
DOMINANT SPECIES		<i>Banksia sphaerocarpa</i> <i>Antigonon sp</i> <i>Sonchibaez brevis</i>	<i>Mesembryanthemum</i> <i>Loxocarya flexuosa</i> <i>Lepidosperma angustifolium</i>		

4. VEGETATION CONDITION

Comments Wettest part of drainage zone heavily infested with weeds - Adjacent to site. GBHRQ3. Watsonia, - Spiranthes? (SA weed)
The pot was exposed Watsonia & Spiranthes infestation.
Seasonally ~~inundated~~ inundated

7.5

HERB

ADS: 9.10.96: Gahnia divistata ✓

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESENCE

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

SITE No GBHR03

Record on Sheet

Date 20.9.96

• Column 1 plant name

• Column 2 plant number

• Column 3 flowering time- TICK if species flowering

• Column 4 identification check

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. wandoo	✓		✓	Hypochaeris glabra	✓		✓	Stylidium murale?	✓		✓
Euc. calophylla	✓		✓	Styphandra glauca	✓		✓	Stylidium ecorne	✓		✓
				Diuris laxiflora	✓		✓	Centropus quinnianellianus	✓		✓
				* Sparaxis	✓		✓	Parentucella latifolia	✓		✓
				Lamprolaima sp. - schocum?				Triglochin cernocarpum	✓		✓
				Sparaxis bulbifera				Wurmbea dioica	✓		✓
Dryandra lindleyana lindleyana	✓		✓					Romulea rosea	✓		✓
Phyllocalypta angustifolia	✓		✓	* Neurachne alopecuroides			✓	Cicendia filiformis	✓		✓
Xanthorrhoea preissii	✓		✓	GRASSES				Stylidium calcaratum	✓		✓
Pimelea intricata piligera	✓	✓	✓	Aira canyophylla	✓	✓	✓	Galium divaricatum	✓	✓	✓
Aracia pulchella pulchella	✓		✓	Briza minor	✓	✓	✓	(4 whorls 4)			
				Stipa pycnostachya	✓	✓	✓	Haemodorum simplex	✓	✓	✓
Xanthosia candida	✓	✓	✓	Danthonia sp.	✓			Stylidium bulbiferum (undul.)	✓		✓
Calothamnus quadrifidus	✓		✓	Amphipogon sp. indet	✓	✓		Isotoma hypochaerifolia	✓		✓
Nemcia capitatum	✓	✓	✓	Danthonia setacea	✓	✓	✓	Centaurium erythraea	✓		✓
Baeckea canthorossae	✓		✓	Elytharta calycina	✓	✓	✓	Thysanotus spartacus	✓		✓
Hakea lissocarpa	✓		✓	Briza maxima	✓	✓	✓	Gibberia caerulea	✓		✓
ADS: Thymosia macrocarpa	✓		✓	Vulpia muiroides	✓	✓	✓	Ursinia anthemoides	✓		✓
				HERBS				Paterosia occidentalis	✓		✓
				Thysanotus mangleianus	✓	✓	✓	Drosera bulbifera	✓		✓
				Caesia micrantha	✓		✓	Millotia sp. indet	✓		✓
				Genocarpus cordiger	✓	✓	✓	Drosera nemioski	✓		✓
				Trigonostemon bicolor subsp. bicolor	✓	✓	✓	Anagallis arvensis	✓		✓
				Tribonanthes longipetala	✓	✓	✓	Lammaria squarrosa	✓		✓
				Centropus aristata	✓	✓	✓	Proserpinaca	✓		✓
				Aphelia cyperoides	✓		✓	SEDGES			
				Homalosciaedon homalocarpum	✓		✓	Schoenus sculptus	✓		✓
				Tribonanthes brachypetala	✓		✓	Juncus capitatum	✓		✓
Correct H. lind.				Doweabaea laxiflora	✓		✓	Schoenus unispiculatus	✓		✓
				Borya sphaerocephala	✓		✓	Desmodium aspera	✓		✓
				Burchardia multiflora	✓	✓	✓	Schoenus bifidus	✓		✓
				Parentucella latifolia	✓	✓	✓	Peperomia octandra	✓		✓
								Mesembryanthemum flagellum	✓		✓

* chase up Sparaxis

Mesembryanthemum flagellum

✓

12.10.96 Lepid. @ Hob. 5.10.96

~~GBHRØ2 2.12.96~~

GBHRØ1/2 20.9.96 *Diuris? brunnalis* ✓

GBHRØ1/2 20.9.96 *T. bartholina* ✓

~~GBHRØ3~~

suspect GBHRØ3 (8.10.96) *Diuris laxiflora*.

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No GBHR03
Date 120.9.916

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

Record on Sheet

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

red rosette

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>E. wandoo</i> ✓				<i>Anagallis arvensis</i>				<i>Drosera</i> <i>erythra</i> <i>cliff</i>			
<i>E. calophylla</i> ✓				<i>Ursinia anthemoides</i> ✓				<i>Diuris</i> (large long pl. a)			
				<i>Brizula</i> → <i>Apheia cyperoides</i>				See <i>Loxiflora</i>			
SHRUBS				1 <i>Centrolepis nistura</i> - ✓				rdl in car.			
<i>Acacia pulchella</i> ✓				<i>Briza minor</i>				(no - spidit)			
<i>Calothamnus quad.</i> ✓				2) <i>Centrolepis</i> - with flowering				Red - flower			
MALLEES				<i>Hypochaeris glabra</i>				<i>Stylidium bulbiferum</i> ✓			
<i>Xen. preisii</i>				3) <i>Centrolepis</i> sp (controversial)				<i>Spiraxia</i> -			
<i>Hakea lissocarpa</i> ✓				GRASSES				(West)			
<i>Hyp. angustifolia</i> ✓				<i>Stipa</i> sp - <i>degenisira</i>				<i>Laxmannia squarrosa</i>			
<i>Paterosia occidentalis</i> ✓				<i>Pinetia</i> sp (v hairy)				<i>Drosera</i> sp tiny purple			
SHRUBS				<i>Cassia parvifolia</i> ✓ <i>C. micrantha</i>				<i>Erharta calycina</i> ✓			
<i>Dry. nivea</i> ✓				<i>Neurachne alopecuroides</i> ✓				SEDGES			
<i>Baerkea cymbarosa</i> ✓				<i>Burchardia</i> sp. - ✓				<i>Loxocarya: flexuosa</i> ✓			
<i>Narcia capitatum</i> ✓				<i>Homalocenchrus homalocenchrus</i>				<i>Mesomelaena tetragona</i> ✓			
<i>Gonocarpus cordiger</i> ✓				Annual <i>Schoenus</i> (smaller) ✓				<i>Lepidosperma angustatum</i> ✓			
<i>Gonoph. marginatum</i> ✓				HERBS				(large)			
<i>B. Xanthosia cordata</i> ✓				<i>Stipandra glauca</i> ✓				<i>Lomandra</i> sp. (fine-leaved) ✓			
<i>Triglochin canaliculatum</i> ✓				<i>Tribonanthes</i> sp 1 (pedicellate) ✓				<i>Schoenus?</i>			
<i>Aira caryophylla</i>				<i>Tribonanthes</i> sp 2 (sessile fls)				<i>Briza maxima</i> ✓			
<i>Stylidium papposillum</i> erane				<i>Haemodorum</i> sp. ✓				<i>Lepidosperma tenui</i> ✓			
<i>H. lissocarpa</i> ✓				<i>Wurmbea</i> sp.				(rough thin terete)			
<i>Nigella centrocarpa</i>				<i>Drosera longicaulis</i>				✓ <i>Schoenus</i> sp. (fine terete - pedicellate) ✓			
				<i>Romulea rosea</i> ✓				<i>S. bifidus</i>			
				<i>Sonchella laxifolia</i>				(leaves)			
				<i>Trypterococcus</i> sp → <i>Gonocarpus</i>				• tiny annual <i>Schoenus</i> ✓			
				<i>Anigodanthus bicolor</i> ✓				• <i>Melothia</i> sp			
				<i>Borja Sphaerocarpa</i> ✓				• tiny scrop (small pink wood) ✓			
								• <i>Galium</i>			
								• tiny <i>Schoenus</i> sp. (climber) ✓			

Diuris laxiflora

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No GBH1203

Record on Sheet

- Column 1 plant name

- Column 2 plant number

• **Column 3** **flowering time-** TICK if species flowering

- **Column 4 Identification check**

Date 3.12.96

Rescole

Rescole

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
								Stenactis (Holoar)			
								Amelia sp (white)			
								Biza minor			
								Danthonia sp			
								Tetradlea octandra			
								Annual grass - Jelpis			
MALLEES								Thysanotus sp			
								climbing			
				GRASSES				Gaulth sp (chickweed)			
								Centauris / Isodanis			
SHRUBS								Opp-leaved weed - NE			
				Centauris				Danthonia sp			
				Centauris				SEDGES			
								Scroph			
								Xanthusia candida			
								Ata Ata Ata			
				HERBS				Tetradlea			
								Pinellia sp			
								Tall, long-leaved grass.			
								Trinogyne elatior →			
								Wid grass - Eggworts?? →			