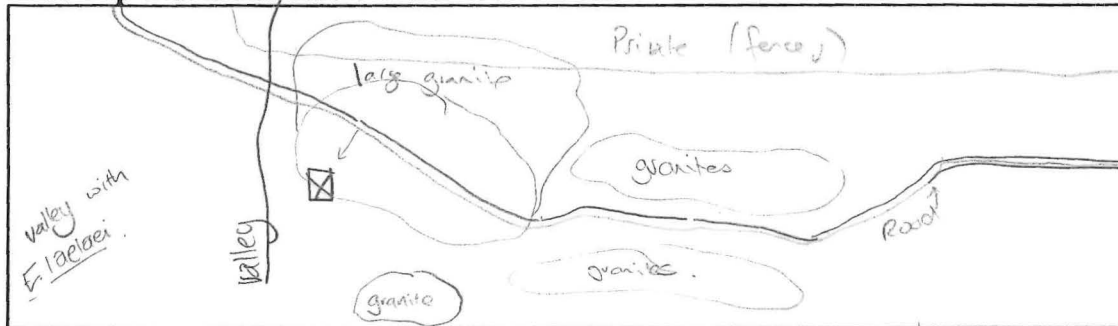


BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA state forest #114 - off Scarp Rd. SITE NUMBER SCARP1
 DATE TRIP 20.10.96 RECORDERS AM
 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 4WD track - off Scarp Rd.

Geographic Location Latitude 32 29 49.6 S Longitude 115 59 55.4 E Altitude 230m
 GPS ☒ Accuracy ± 300
 Map Sheet Javahdale/

Photograph Name Number #1 + #2 Roll # 5

Topographic Position (Circle the correct response)
 Upland ☐ Upper slope ☒ Midslope ☐
 Lower slope ☐ Valley ☐ Washline ☐
upper granites just off plateau 4

2. SITE DATA Circle the correct response

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

Surface Soil gritty sandy clay Depth to Rock 0-20 cm Colour yellow-white

Exposed Rock type granite % surface cover 20 size range 5cm - 1.6m

Litter 30 % surface cover 11-2 layers Depth (cm) 5cm 2-5cm

Bare Ground 8 % 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

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. calophylla</i>			

SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			10-30%	10-30%	70%
DOMINANT SPECIES			<i>H. multifurcata</i>	<i>Acac. pulchella</i>	<i>Leucopogon pulchellus</i>
			<i>Allo. humilis</i>	<i>Calyptrix acutifolia</i>	<i>Melaleuca scabra</i>
			<i>X. pteris</i>	<i>Trymal. laetifolium</i>	<i>D. citriodora</i>

GRASSES		HERBS		SEDGES	
	over 0.5m		over 0.5m		under 0.5m
LIFE FORM					
COVER CLASS (%)		2-10%			10-30%
DOMINANT SPECIES		<i>S. bulbiferum</i>			<i>Lep. smooth</i>
		<i>Polya. sphaerocarpa</i>			<i>Lep. rough</i>
					<i>Tet. capillaris</i> (?)

4. VEGETATION CONDITION

Comments SLS. Granite-associated heath. on top edge of scarp overlooking SCP. Exposed granite heath with mallee in deeper soils. Dyke of Quartz running thru plot U/burnt.

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
----------------------------	---

Record on Sheet

- Column 1 plant name
- Column 2 plant number

- **Column 3** **flowering time-** TICK if species flowering
- **Column 4** **identification check**

22

long peduncles/scape

Y. H. H. H. H.

Hypochaeris glabra

No tet-capillaris

on record

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 SCAR 81

Record on Sheet

Date 20.11.96

+ record 14.12.96

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

Styl. → calcitratum?

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
E. calophylla	✓			Acacia Bilardera Widdow? (IN)	✓			Waikia paniculatum	✓		
				Chorizanthe dicksonii				Chorizanthe austrotenuifolia			
SHRUBS				Chorizanthe??				Cassipouia sp.	✓		
Allocas. humilis	✓			Compositum marginatum	✓			Trichocline spathulatum			
Xon. presii	✓			Verticordia acerata	✓			Schoenus sp. - back brand	✓		
Acacia pulchella	✓			Tricoryne-like sp. = Tricoryne RA!!				Cronoratus cordiger	✓		
MALLEES				Xanthosia sp. cordians?				Leventhockia sp.			
Metaleuca rubra	✓			Kunzea sp.				Vulpia?			
Calystix acutifolia	✓			GRASSES				Stenopus / Centropis?			
Tympanum ledifolium	✓			Briza maxima	✓			Briza minor	✓		
Udeucopogon pulcherrimus	✓			Briza degeneria	✓			Nahfemburgia sp.			
SHRUBS				Danthonia sp.	✓			Melolalia sp.			
Hibbertia commutata				Neurachne alopecuroides	✓						
Darwinia glaucochloa	✓			Unid grass sp.				SEDGES			
Haakea trifurcata	✓			Aira canophyllae → schortid				Leptocarpus octonarius	✓		
Hemigaria incana / serrucea	✓			Thelypodium cincta				Tetaria capillaris - ??			
Pimelea sp. Baryline -	✓			Ursinia andromedoides	✓			Lepidosperma brick, rough	✓		
Baekea canophyllae	✓							4 + smooth			
Verticordia hillebrandii	✓			HERBS				Leonardia presii	✓		
Ha				Stylidium bulbiferum	✓			Caesia micrantha			
Jacksonia alata	✓			Borja spirocephala	✓			Leonardia caespitosa			
Boronia sp.	✓			Burchardia longista				Conostylis setosa	✓		
Patersia pygmaea	✓			Loxmannia parvifolia	✓			Hemipodium sp.	✓		
Arthropodium capillipes				Platysaceae sp.				Annual Schoenus			
				Stylidium bryoniae	✓						
Tetralix lewis	✓			Drosera menziesii				Lepidosperma			
				Dryandra glauca	✓						
Astroloma ciliatum (R)				plearia paucidentata				Aira canophyllae (R)			
Conospermum huegii (R)				Arctostaphylos ciliatum	✓						
Xanthosia cordata R								Operearia sp (R)			
Hypocalymma angustifolium R				Goodenia caerulea (R)				= Boronia sp (R)			
				Conocarpus cordiger (R)				Operearia dringii (R)			

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA Scarp Rd ^{Granite's off.} SITE NUMBER SCAR02

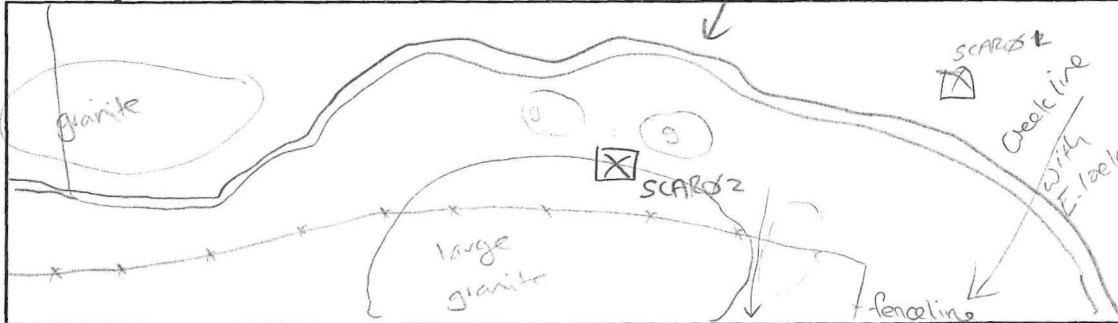
DATE TRIP 22.11.96 ^{* Filled in C48} RECORDERS AM

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 4WD track in granite on C48 → off Scarp Rd

Geographic Location Latitude 32 29 48 S Longitude 115 59 53.9 E Altitude 225 m
GPS ✓ Accuracy ±100 Map Sheet Jawahradell 6SAT
Pingawa

Photograph Name _____ Number #3 + #4 Roll #5

Topographic Position (Circle the correct response)
Upland 15 4 Lower slope
Upper slope gentle Valley
Midslope Washline

2. SITE DATA Circle the correct response

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

Surface Soil clayey grit Depth to Rock 0-10cm Colour grey

Exposed Rock type granite % surface cover 15% size range 5-20cm

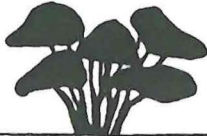
Litter 35 % surface cover Depth (cm) 2.3cm

Bare Ground 8 % 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	MALLEES over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)		10-30% 30-70%		30-70% 70%	10-30%
DOMINANT SPECIES		<i>G. endelichayana</i> <i>C. quadrif.</i>		<i>V. alerosa</i> <i>C. quad.</i> <i>D. citricolora</i>	<i>M. scabra</i> <i>H. undulata</i> (seedling) <i>V. huaglid</i>
GRASSES					
	HERBS		SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10%				
DOMINANT SPECIES	<i>S. brevicaulis</i> <i>Borya</i> <i>S. bulbifera</i>				

4. VEGETATION CONDITION

Comments

Recent drought dead of *H. trifurcata* & storey.
4 1/2/5 - 5/5 Small few weeds.

1.5

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 SCAR02

Record on Sheet

Date 20.11.96

14.12.96 (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
ADS: <i>Hovea pungens</i>	✓			<i>Verticordia huegelii</i>	✓		YR	<i>Xanthosia huegelii</i>	✓	✓	YR
				<i>Hakea undulata</i>	✓	-	YR	<i>Goodenia caerulea</i>	✓	✓	YR
				<i>Henigenia incana</i>	✓		YR	<i>Potervaria pygmaea</i>	✓		YR
				<i>Allocasuarina humilis</i>	✓	-	YR	<i>Borja sphaerocephala</i>	✓	✓	YR
				<i>Hakea bifurcata</i>	✓	-	YR	<i>Stylidium brevicaule</i>	✓	✓	YR
				<i>Arctostaphylos</i>	✓	-	YR	<i>Stylidium diuroides</i>	✓	✓	YR
<i>Andersonia aristata</i>	✓	✓	YR	<i>Xanthorrhoea preissii</i>	✓	-	YR	<i>Stylidium brunneum</i>	✓	✓	YR
<i>Pimelea imbricata</i> var <i>pilgeri</i>	✓		YR					<i>Stylidium bulbiferum</i> (ia?)	✓	✓	YR
<i>Pimelea brevistyla</i> ssp. <i>brevistyla</i>	✓		YR	GRASSES				<i>Thysanotus dichotomus</i>	✓	✓	YR
<i>Petrophile biloba</i>	✓		YR	<i>Aira canyophyllea</i>	✓	✓	YR	<i>Drosera</i> sp. <i>menziesii</i>	✓	✓	
<i>Calytrix acutifolia</i>	✓	✓	YR	<i>Nerachne alopecuroides</i>	✓	✓		<i>Levenhookia stipitata</i>	✓	✓	
<i>Verticordia acrocha</i> ssp. <i>acrocha</i>	✓	✓	YR	<i>Briza maxima</i>	✓			<i>Drosera menziesii</i>	✓	✓	YR
<i>Sphaerolobium medium</i>	✓	✓	YR	<i>Amphipogon</i> sp.	✓	✓		<i>Drosera macrantha</i>	✓	✓	YR
<i>Grevillea endlicheriana</i>	✓		YR	<i>Tetrarrhena laevis</i>	✓			SEDGES			
<i>Tupralium pedifolium var. rosmarinifolium</i>	✓	✓	YR	<i>Danthonia setacea</i>	✓	✓		<i>Schoenus grammatophyllus</i>	✓	✓	YR
<i>Hibbertia subvaginata</i>	✓	✓	YR	<i>Amphipogon stricta</i>	✓	✓		<i>Tetraria capillaris</i>	✓	✓	YR
<i>Baeckea camphorosma</i>	✓	✓	YR								
<i>Melaleuca</i> aff. <i>scabra</i>	✓	✓	YR	HERBS				<i>Quinnetia uvilliei</i>	✓		YR
<i>Conospermum huegelii</i>	✓	✓	YR	<i>Xanthosia huegelii</i>	✓	✓		<i>Orobanchina minor</i>	✓		YR
<i>Hibbertia hypericoides</i>	✓	✓	YR	<i>Tripterococcus brunneus</i>	✓	✓	YR	<i>Haemodorum dioxol</i>	✓	✓	YR
<i>Leucopogon pulchellus</i> seedling	✓	✓	YR	<i>Conostylis setosa</i>	✓	✓	YR				
<i>Darwinia citriodora</i>	✓	✓	YR	<i>Gonocaryus cordiger</i>	✓	✓	YR				
<i>Leucopogon dubius</i> (juvenile)	✓	✓	YR	<i>Platysace juncea</i>	✓	✓	YR				
<i>Calothamnus quadrifidus</i>	✓	✓	YR	<i>Apocynum scabrum</i>	✓	✓	YR				
<i>Hakea petiolaris</i>	✓	✓	YR	<i>Stachys monogyna</i>	✓	✓	YR	<i>Stachys monogyna</i> (NOT <i>sphaerolobii</i>)	✓	✓	YR
<i>Verticordia plumosa</i> var. <i>plumosa</i>	✓	✓	YR	<i>Laxmannia squarrosa</i>	✓	✓	YR				
<i>Borja tenuis</i>	✓	✓	YR	<i>Pterochaeta paniculata</i>	✓	✓	YR				
<i>Nirbelia spinosa</i>	✓	✓	YR	<i>Actinotus leucocephalus</i>	✓	✓	YR				
<i>Hibbertia aurea</i>	✓	✓	YR	<i>Ursinia anthemoides</i>	✓	✓	YR				
ADS: <i>Hovea pungens</i>	✓	✓	YR	<i>Millotia tenuifolia</i> var. <i>tenuifolia</i>	✓	✓	YR				
<i>Chorizandra dicksonii</i> seedling - Conf only	✓	✓	YR	<i>Cranaecilla corymbosa</i>	✓	✓	YR				

if adult adj. in plot

LOTS of Rabbit dung!

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 SCAR02

Record on Sheet

Date 20.11.96

+Rescore 14.12.96

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

TREES	SHRUBS	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Conothamnus quadrifidus</i>	✓				Wind epiphyte seedling				<i>Waltzia paniculatum</i>	✓		
<i>Verticordia acerosa</i>	✓				Conothamnus quadrifidus				<i>Hemodorum</i> sp	✓		
<i>Verticordia plumosa</i>	✓				<i>Conospermum hueglinii</i> ?	✓			Needle-leaf			
<i>Melaleuca lateralis</i>	✓				<i>Quintia</i> sp				<i>Hemodorum</i> sp			
<i>Hakea petiolata</i>	✓				small Annual grass				<i>Asperula</i> sp			
<i>Tymalium ledifolium</i>	✓				<i>Pimelia imbricata</i>				<i>Wahlenbergia</i> ??			
MALLEES					<i>Torela leaf</i> <i>Boronia</i> sp	✓			Black-bore <i>Schoenus</i>	✓		
<i>Grevillea erdelyi</i>	✓				<i>Tylosorus</i> ? <i>di. corymbosus</i>				<i>Xanthosia hueglinii</i>			
<i>Petrophile biloba</i> // <i>prostrata</i>	✓				GRASSES				<i>Amphipogon</i> sp.	✓	NE	
<i>Verticordia hueglinii</i>	✓				<i>Briza maxima</i>	✓			Large <i>Pimelia</i> sp			
<i>Hakea undulata</i>	✓				<i>Neurochloa aspericarpa</i>	✓			<i>Sphaerolobium medium</i>			
SHRUBS					<i>Drosera</i> sp				<i>Orbanchis minor</i>			
<i>Baeckea cantharocarpa</i>	✓				<i>Ara cantharocarpa</i>				SEDGES			
<i>Andersonia</i> sp.	R	✓			<i>Melaleuca</i> sp				Wind Sedge: <i>Torelia apilis</i> ??	✓		
<i>Hemigenia incana</i>	✓				<i>Laxmannia squarrosa</i> ?	✓			<i>Lepidosperma</i> <i>torreana</i>	✓		
<i>Dawsonia citriodora</i>	✓				<i>Danthonia</i> sp	✓			Deep. <i>Andri</i> <i>rugl. terete</i>			
<i>Allocas. humilis</i>	✓				<i>Hibb. hypericoides</i>				<i>Schoenus</i> sp - small			
<i>Hibbertia submarginata</i> (seedlings)	✓				HERBS				Large <i>Schoenus</i>	✓		
Wind-yellow <i>Stylidium</i> - <i>ultracandida</i>					<i>Stylidium bulbiferum</i>	✓			<i>Dampiera</i> sp - <i>tri. corymb. - like</i>	✓		
<i>H. n. lucida</i> (seedlings sp)	✓				<i>Stylidium brevicaule</i>	✓			<i>Calystix acutifolia</i> (R)			
<i>Arctostaphylos pulchella</i>					<i>Boronia</i> <i>sphaerocarpa</i>	✓						
<i>Stach. preissii</i>	✓				<i>Utricularia anthracina</i>	✓			<i>Boronia</i> sp (as in SCAR01)	R	✓	
<i>Pteronia pyraea</i>					<i>Conostylis setosa</i>	✓			<i>Astroloma</i> sp. (R)?			
<i>Stylidium brunonianum</i>	✓				<i>Platysaceae</i> sp.	✓			<i>Myrtella spinescens</i> (R)			
<i>Ag. scab.</i>					<i>Tripterodactylus brunonis</i>	✓			<i>Goodenia caerulea</i> (R)			
ADS = <i>Hovea pungens</i>					<i>Adiantum cordiger</i>	✓						
					<i>Chaemodactylus</i> sp.							
					<i>Myrtella spinescens</i> - ? <i>Myrtella</i>	✓			Check <i>Verticordia aspera</i>	R		
					<i>Petrophile biloba</i> (R)				<i>Sphaerolobium medium</i>			
					(seedlings)				seedling? (R)			
					<i>Myrtella spinescens</i> v(R)							