

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA Kalmiscott - upland off SITE NUMBER KELM01

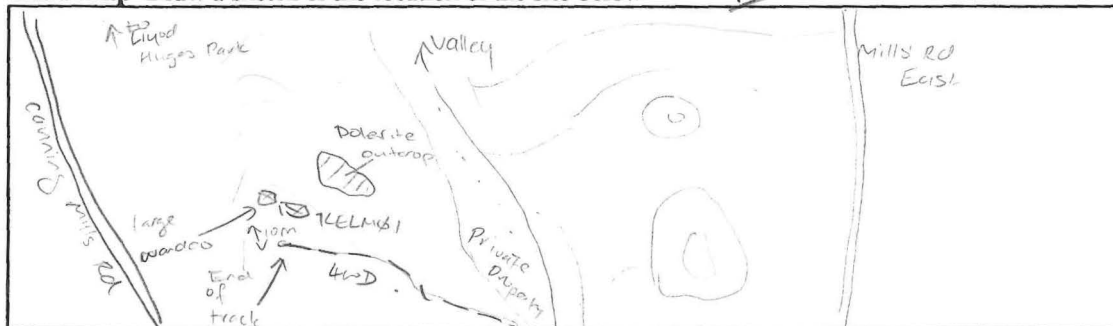
DATE TRIP 16/10/96 RECORDERS AM & ML

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 32 06 31.3 S Longitude 116 02 01.8 E Altitude 240m
GPS ☒ Accuracy 2.2
Map Sheet KELMISCOTT PDOP: 6.4 (6 satellite)

Photograph Name Number #11 Rd #3

Topographic Position (Circle the correct response)
Upland ☐ Lower slope ☐
Upper slope ☒ 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 gritty clayey loam Depth to Rock >1m Colour orange brown

Exposed Rock type latrite % surface cover 5% size range 0-5cm - 30cm

Litter 30 % surface cover Depth (cm) 2-5cm (1 layer)

Bare Ground 10 % surface cover

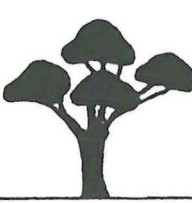
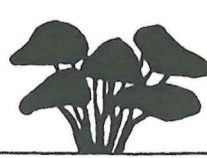
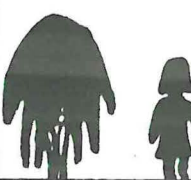
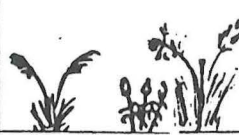
Adapted from 'Bushland Plant Survey' written by B. Keighery (1994) and published by Wildflower Society of WA (Inc). PO Box 64 Nedlands WA 6008

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%	2-10%			
DOMINANT SPECIES	E. wandoo	<i>E. wandoo</i> <i>E. calcophylla</i>			
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10%			>70%	>70%
DOMINANT SPECIES	<i>Xyris preissii</i> (<i>Emmersonia</i>)			<i>Nerica</i> <i>H. lissocarpa</i> <i>Pinealia dilatata</i> <i>Alb. hypoleuca</i>	<i>Dry. nuda</i> <i>Holb. ramulata</i> <i>Hilb. hypoleuca</i>
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10%	10-30%	30-70%		
DOMINANT SPECIES	<i>Danthalia</i> <i>Stipa</i>	<i>Panicum linearis</i> <i>Styidium bulbiferum</i>	<i>Tetralix capitata</i> <i>Tetralix pedunculata</i> <i>lep. terete</i>		

4. VEGETATION CONDITION

Comments Hot fire in 1994. Low (0.5m) mixed shrub up to
under tall wandoo/wandoo woodland.
3-3½. Weeds + freq. fire & disturbance.
At top of spur. into valley. Exposed woodland.

3

4

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA KELMSCOTT - E W of Rolleston ^{Upland} SITE NUMER KELM02

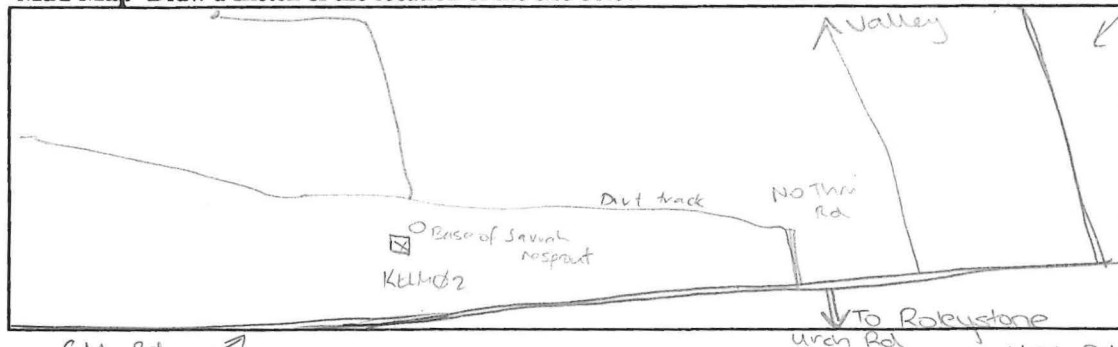
DATE TRIP 10-10-96 RECORDERS AM & ML

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

☒ KELM01
Mud Map Draw a sketch of the location of the site below



Road Location

Geographic Location Latitude 32 06 21.7 S Longitude 116 02 22.2 E Altitude —
GPS ☒ Accuracy PDOP 4.4 (5 satellites)
Map Sheet KELMSCOTT

255m

Photograph Name _____ Number #12 # Rd 3

Topographic Position (Circle the correct response)
Upland 5 **Lower slope**
Upper slope
Midslope
Valley
Washline

2. SITE DATA Circle the correct response

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

Surface Soil clayey loam ^{clayey loamy gravel} **Depth to Rock** 0-30cm **Colour** Dr brown - Orange

2nd layer (5cm down)

Exposed Rock type latevile % surface cover 30 size range 1-2cm

occasional 10-20cm

Litter 80 % surface cover **Depth (cm)** 10-20cm

Bare Ground 5 % 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

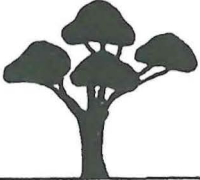
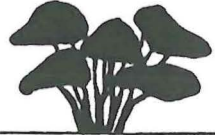
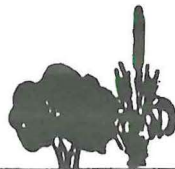
BURNT NOV 1996

NO RESCORE

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

3. VEGETATION STRUCTURE AND COVER

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

	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)		10-30%			
DOMINANT SPECIES		<i>Allocas. fraserianum</i> <i>E. marginata</i>			
			<i>Coded as low forest</i>		
	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		2-10%		2-70%	30-70%
DOMINANT SPECIES		<i>Dry. sessilis</i>		<i>H. stenocarpa</i> <i>H. erinacea</i> <i>L. pulcherrimus</i>	<i>Hib. hypericoides</i> <i>Dry. nivea</i>
	GRASSES		HERBS	SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			2-10%		
DOMINANT SPECIES			<i>Shyl. bulb.</i> <i>Shyl. brunonianum</i> <i>Droo. stolonifera</i>		

4. VEGETATION CONDITION

Comments x 4 - History of logging & freq. burning. Overgraze
No weeds -

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA Kelmscott - back of Lyall Reserve SITE NUMBER 408 KELM03

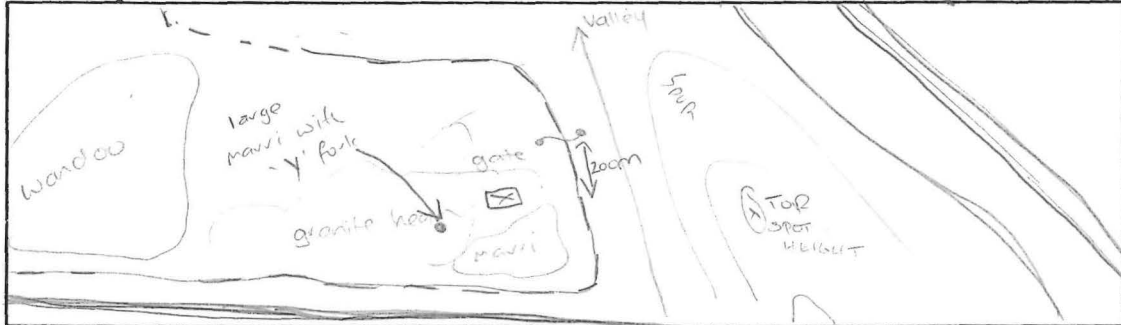
DATE TRIP 10/10/96 RECORDERS AM & ML

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 see road map

Geographic Location Latitude 32° 27.1 S Longitude 116° 01' 36.3 E Altitude 90m
GPS ☒ Accuracy PDOP = 4.1
Map Sheet Kelmscott #13 Row #3

Photograph Name _____ Number #13 (?)

Topographic Position (Circle the correct response)
Upland _____ Lower slope _____
Upper slope _____ Valley _____
Midslope 3 Washline _____

2. SITE DATA Circle the correct response

Slope flat _____ gentle steep _____ Aspect N NE E SE S SW W NW NNW (342°)

Surface Soil gritty loam Depth to Rock 0-40cm Colour orange-brown

Exposed Rock type granite % surface cover 15% size range 1m - 70cm

Litter 40 % surface cover Depth (cm) 5-10cm

Bare Ground 25 % 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

92m from SE end

AMG 408169
6447222

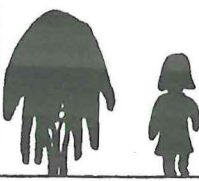
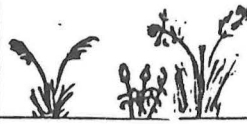
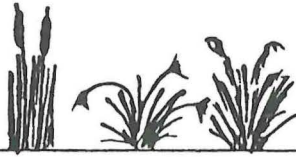
mundanup close.

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						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% Hemigalia interm? >70%		10-30%	
DOMINANT SPECIES		Acro. erlichsoniana	Calo. quadrif H. erinacea Muehlenbergia sp.		Baekea raphanocarpa Cryptandra sp. Dry. cal.	
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m	
LIFE FORM						1m
COVER CLASS (%)		30-70%				
DOMINANT SPECIES		Boriz. phaeo. Stylidium brunn.				

4. VEGETATION CONDITION

Comments

4 1/2

Survived weed invasion.
Recent fire (~1994)

Granite Heath on spur. On soils derived from erosion products upslope (granite, some labile & clayey dolerite)
Med-tall heath. Surrounded by emergent Marri. Hot fire

has germinated adjacent sward of Gastrolobium spinescens.
Spinescens.

Xanthorrhoea preiss.
adj.

2

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA lower valley Polnyscott H. SITE NUMBER KELM04

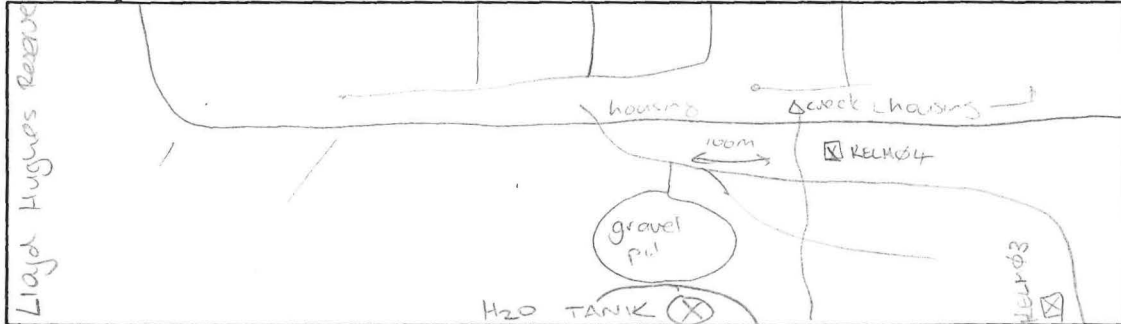
DATE TRIP 10/10/96 RECORDERS AM & ML

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 32 06 42.7 S Longitude 116 01 40.0 E Altitude 120m
GPS Accuracy PDOP - 4.7 (5 Satellite)
Map Sheet 110m

Photograph Name _____ Number # 14 Roll # 3

Topographic Position (Circle the correct response)
Upland ☐ Lower slope ☒
Upper slope ☐ Valley ☒
Midslope ☐ Washline ☒ Approaching Creekline 2

2. SITE DATA Circle the correct response

Slope flat gentle steep 3 Aspect N NE E SE S SW (W) NW 270° 7

Surface Soil loam Depth to Rock >1m Colour Dark Brown

Exposed Rock type 0 % surface cover - size range -

Litter 60 % surface cover Depth (cm) 10-20

Bare Ground 1 % 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

W Boundary of adj S end of Sunset Tce

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

3. VEGETATION STRUCTURE AND COVER

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

Cover Class					
2-10%		10-30%		30-70% over 70%	
TREES					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM			 		
COVER CLASS (%)		2-10%			
DOMINANT SPECIES		<i>E. calophylla</i>			
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m
LIFE FORM	 				
COVER CLASS (%)		2-10%		30-70%	30-70%
DOMINANT SPECIES		<i>Allo. humilis</i> <i>Eucalyptus sp.</i>		<i>A. stenocarpa</i> <i>Acacia pulchella</i>	<i>Hibis hypericoides</i> <i>pyg. calycinus</i> <i>Conostylis aculeata</i>
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM	 	 	 		 
COVER CLASS (%)			70%		10-30%
DOMINANT SPECIES			<i>Lepidosperma</i> sp. flat <i>Mesochloa setigera</i> <i>Tetraria octocarpa</i>		<i>Loranthus flexuosus</i>

4. VEGETATION CONDITION

Comments

5. Good drainage line for spur Elands of
Nami, Jarrah upstory & creek line
Sagey

1st Large dead Jarrah on west side of track - After H2O TANK

Jarrah, Nami adjacent.

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA Kelmscott ^{x lower slope} SITE NUMBER KELM05

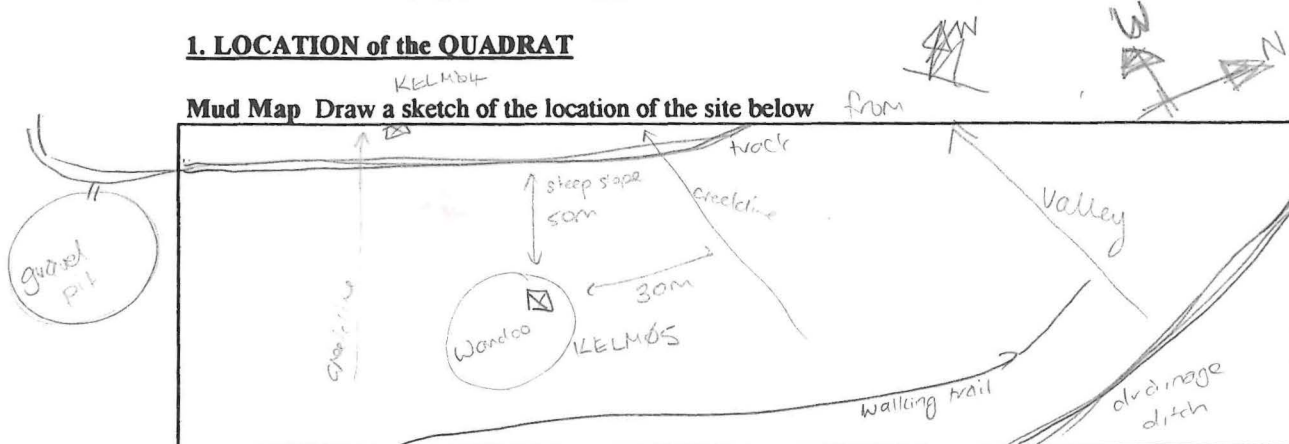
DATE TRIP 11.10.96 RECORDERS AM & ML

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 32° 06' 33.9" S Longitude 116° 01' 41.8" E Altitude 120m
 GPS ✓ Accuracy 110m
 Map Sheet KELMSCOTT DDPP = 3.0

Photograph Name _____ Number # 15 Roll # 3

Topographic Position (Circle the correct response)
 Upland _____
 Upper slope _____
 Midslope _____
 Lower slope (circled)
 Valley (circled)
 Washline _____

2. SITE DATA Circle the correct response

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

Surface Soil clayey loam Depth to Rock 71m Colour DK Brown

Exposed Rock type granite % surface cover 0.2% size range 1cm - 15cm

Litter 15 % surface cover _____ Depth (cm) 5cm

Bare Ground 0 % 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

80m ESE of end of Morundah Place

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%			
DOMINANT SPECIES		E. wandoo			
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			30-70%	30-70%	> 70%
DOMINANT SPECIES			Calo. quad. H. erinacea A. pulchella	Melaleuca vachila Co. quad.	Bacopa amphioxys
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		> 70 22% J. J. J.			
DOMINANT SPECIES		M. J. J. B. J. J. P. J. J.			

4. VEGETATION CONDITION

Comments

 $2\frac{1}{2} - 3$

V. App. condition.

Wood invase. 1st Herb layer (7761) sp

Biga maxima & Cornelia rosea

* Lost herb layer.

History had five -

Adj. Corosyllis

4

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA Kelmscott. ^{river slopes} SITE NUMBER KELM06

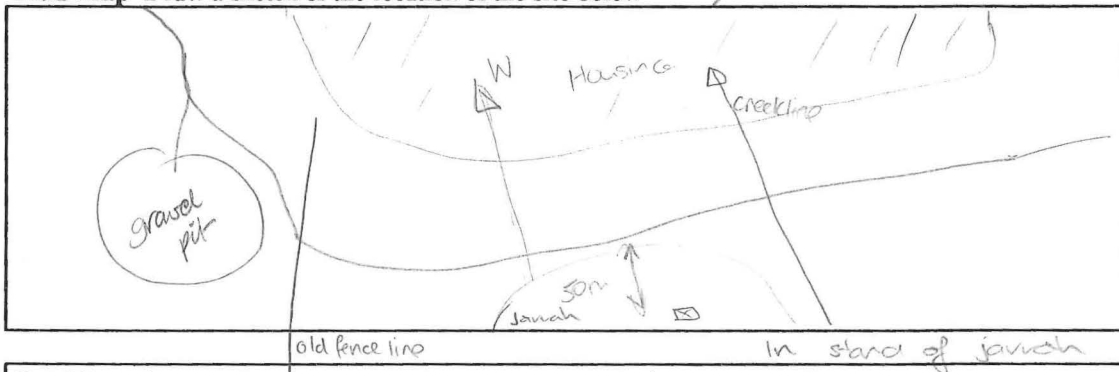
DATE TRIP 11.10.96 RECORDERS AM & ML

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 32 06 45.1 S Longitude 116 01 42.2 E Altitude 120
GPS - Accuracy PDOP 7.2
Map Sheet KELMSOTT

Photograph Name _____ Number # 16 # Roll # 3

Topographic Position (Circle the correct response)
Upland _____ Lower slope _____
Upper slope _____ Valley _____
Midslope 3 Washline _____

2. SITE DATA Circle the correct response

Slope flat gentle steep 2 Aspect N NE E SE S SW (W) NW 7

Surface Soil Gravelly loam Depth to Rock 10-2m Colour dk Brown

Exposed Rock type laterite % surface cover 1% size range 1cm - 60cm

Litter 780% % surface cover _____ Depth (cm) 20-30cm

Bare Ground 1 % 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

c.100m ESE 3th end Sunset Tce.

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%
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TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)		10-30%			
DOMINANT SPECIES		<i>E. marginata</i> <i>E. calophylla</i>			
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		30-70%	10-30%	10-30%	10-30%
DOMINANT SPECIES		<i>Alloc. humilis</i>	<i>Alloc. humilis</i> <i>Alloc. humilis</i> <i>Alloc. humilis</i>	<i>Alloc. humilis</i> <i>Alloc. humilis</i> <i>Alloc. humilis</i>	<i>Alloc. humilis</i> <i>Alloc. humilis</i> <i>Alloc. humilis</i>
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		2-10%			30-70%
DOMINANT SPECIES		<i>Agrostis scabra</i>	<i>Festuca</i>		<i>Tetraria tetradra</i> <i>Lepidosperma sp-1</i> <i>Lepidosperma - broad</i>

4. VEGETATION CONDITION

Comments

4 1/2 Good condⁿ - Burn > 5y a.
few weeds. Thick
On slope of spur. Gravel (occasional) exposed
in 100m.

flat leaf
Loxo. flexuosa

2

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 KELMØ.1

Record on Sheet

- Column 1 plant name

- Column 2 plant number

• Column 3 flowering time- TICK if species flowering

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

Date 10-10-96

11.12.96 (R)

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Euc. wandoo</i>	✓	-	✓R					<i>Eonocarpus cordiger</i>	✓	✓	✓R
<i>Euc. calophylla</i>	✓	-	✓R					<i>Opercularia vaginata</i>	✓	✓	✓R
SHRUBS								<i>Craspedia variabilis</i>	✓	✓	✓R
<i>Xanthorrhoea preissii</i>	✓	-	✓R					<i>Daucus glochidiatus</i>	✓	✓	✓R
<i>Acacia pulchella</i>	✓	-	✓R					<i>Stylidium brunonianum</i>	✓	✓	✓R
<i>Nalcea leucocarpa</i>	✓	-	✓R					<i>Dampiera linearis</i>	✓	✓	✓R
<i>Hibbertia hippelicioides</i>	✓	-	✓R					<i>Theclomitra crinita</i>	✓	✓	✓R
<i>Brevillea pilulifera</i>	✓		✓R					<i>Cassytha racemosa</i>	✓	✓	✓R
<i>Gompholobium marginatum</i>	✓	-	✓R	GRASSES				<i>Centaurium erythraea</i>	✓	✓	✓R
<i>Daviesia decurrens</i>	✓	-	✓R	<i>Braja minor</i>	✓		✓R	<i>Lomandra caespitosa</i>	✓	✓	✓R
				<i>Aira caryophyllaea</i>	✓	✓	✓R	<i>Xanthusia carolida</i>	✓		✓R
				<i>Stipa pycnostachya</i>	✓	✓	✓R	<i>Lagerflera huegelii</i>	✓		✓R
<i>Dryandra lindleyana</i> ss <i>linde</i>	✓		✓R	<i>Danthonia acerosa</i>	✓	✓	✓R				
<i>Astroloma pallida</i>	✓	✓	✓R	<i>Danthonia setacea</i>	✓	✓	✓R	SEDGES			
<i>Styphelia tenuifolia</i>	✓	✓	✓R	<i>Nemadine alopecuroides</i>	✓	-	✓R	<i>Isodis marginata</i>	✓	✓	✓R
<i>Trimalium ledifolium</i> v <i>resmor.</i>	✓		✓R	<i>Valpina</i> sp.				<i>Schoenus nanus</i>	✓	✓	✓R
<i>Hibbertia cernuata</i>	✓		✓R					<i>Tetraria octandra</i>	✓	✓	✓R
<i>Nemcia capitatum</i>	✓	✓	✓R	HERBS							
<i>Rosiera brinata</i>	✓	✓	✓R	<i>Anagalis arvensis</i>	✓	✓	✓R	<i>Arthropodium capillipes</i>	✓		✓R
<i>Acacia laterificola</i>	✓	✓	✓R	<i>Hydrocotyle callicarpa</i>	✓	✓	✓R	<i>Dampiera linearis</i>	✓		✓R
<i>Phyllanthus calycinus</i>	✓	✓	✓R	<i>Centropus drummondiana</i>	✓	✓	✓R	<i>Glabriolus caryophyllae</i>	✓		✓R
<i>Primelea ciliata</i>	✓	✓	✓R	<i>Hemallosciadium hemallocarpum</i>	✓	✓	✓R	<i>Ptilothus manglietii</i>	✓		✓R
<i>Santalum acuminatum</i>	✓		✓R	<i>Stylidium calcaratum</i>	✓	✓	✓R	<i>Trichochilus spatulatum</i>	✓		✓R
				<i>Hypochaeris glabra</i>	✓	✓	✓R	<i>Haemodorum</i> sp. <i>shapleaf</i>	✓		✓R
				<i>Hyalosperma rotula</i>	✓	✓	✓R	<i>Burchardia congesta</i>	✓		✓R
				<i>Pterochaeta paniculatum</i>	✓	✓	✓R	<i>Stylidium bulbiferum</i> (wid)	✓		✓R
				<i>Cheilanthes austrotenuifolia</i>	✓	✓	✓R	<i>Caladrea longicauda</i> long.	✓		✓R
				<i>Bartsia trixago</i>	✓	✓	✓R	<i>Romulea rosea</i>	✓		✓R
				<i>Trachymene pilosa</i>	✓	✓	✓R	<i>Hydrocotyle callicarpa</i>	✓		✓R
				<i>Thysanotus tenellus</i> (tall)	✓	✓	✓R	<i>Dianella revoluta</i>	✓		✓R
				<i>Thysanotus manglietianus</i>	✓	✓	✓R				

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 16ELN01

Record on Sheet

Date 11.12.96

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

Restore

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
								Macropomia reidii			1
								<i>ciliata</i>			
								Pinellia strobilata			1
								Opeuc. marginata			1
								Cassytha sp.			1
MALLEES								Haemodorum - multiple			1
								<i>SNY leaf</i>			
				GRASSES				Danthonia -			1
								Stipa -			1
SHRUBS								Danella revolutans			1
								SEDGES			
								Pink flw.: opp. leaved hollow			1
								White sedge			1
				HERBS				<i>Batardia hirsuta</i>			

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 KELM.Ø2

Record on Sheet

- Column 1 plant name

Date 10.10.96

- Column 2 plant number

11/22/2018

No rescue

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

BURNT DEC 1996

- **Column 4** Identification check

T. temellus large!

TREES				SHRUBS (cont.)				HERBS (cont.)			
No	FI	ID		No	FI	ID		No	FI	ID	
			<i>Enc. marginata</i> ✓				<i>Conocylis setosa</i> ✓				<i>Tetradlea hirsuta (setigera)</i> ✓
			<i>Alchornea fraseriana</i> ✓				<i>Dioscorea stolonifera</i> ✓				<i>Thysanotus tenuellus (large)</i> ✓
							<i>Dioscorea sp. (pygmy)</i> ✓				<i>Lomandra nigricans</i> ✓
			SHRUBS.				<i>Hydrocotyle callicarpa</i> ✓				<i>Thysanotus thyrsoideus (Hag.)</i> ✓
			<i>Hibbertia lupericoides</i> ✓				<i>Haemodorum sp. teste</i> ✓				<i>Tricoryne elatior</i> ✓
			<i>Dry. lindleyana lindleyi</i> ✓								<i>Lomandra micrantha</i> ✓
			<i>Hakea linearis</i> ✓								<i>Lomandra sericea</i> ✓
			<i>Daviesia rhombifolia</i> ✓								<i>Caladenia sp? (longi?)</i> ✓
			<i>Isopogon sphaerocephala</i> ✓				GRASSES				<i>sterile :: indet</i> ✓
			<i>Petrophile striata</i> ✓				<i>Amphipogon turbinatus</i> ✓				<i>Caladenia sp?</i> ✓
			<i>Xanthorrhoea preissii</i> ✓								
			<i>Leucopogon pulchellus</i> ✓				<i>Alvimia sp.</i> ✓				
			<i>Boronia ornata (late id)</i> ✓				<i>Aira canyophylla</i> ✓				
			<i>Hakea stenocarpa</i> ✓				<i>Neradine abopercuroidea</i> ✓				SEDGES
			<i>Acacia barbinervis</i> ✓								<i>Tetraria capillaris</i> ✓
			<i>Andersonia telmoniana</i> ✓								
			<i>Hibbertia glomerata</i> ✓								
			<i>Prunella fraseri</i> ✓								
			<i>Daviesia longifolia</i> ✓				HERBS				
			<i>Hibbertia communata</i> ✓				<i>Hydrocotyle callicarpa</i> ✓				<i>Thelymitra cinnifolia</i> ✓
			<i>Adenanthos barbigeri</i> ✓				<i>Thysanotus fastigiatus</i> ✓				<i>Lomandra preissii</i> ✓
			<i>Styphelia tenuifolia (uncol)</i> ✓				<i>Haemodorum sp. indet</i> ✓				<i>Paterosia barbioides</i> ✓
			<i>Baeckea camphorosmae</i> ✓				<i>Lomandra brittanii</i> ✓				<i>Paterosia pygmaea</i> ✓
			<i>Hovea charismifolia</i> ✓				<i>Opacularia echinocephala</i> ✓				<i>Apocynum scabrum</i> ✓
			<i>Daviesia decurrens</i> ✓				<i>Lavenhookia pusilla</i> ✓				<i>Dampiera linearis</i> ✓
			<i>Labichea punctata</i> ✓				<i>Trachymene pilosa</i> ✓				<i>Ursinia anthemoides</i> ✓
			<i>Gomphoidium marginatum</i> ✓				<i>Millotia tenuifolia var. tenuifolia</i> ✓				<i>Trichodine spathulatum</i> ✓
			<i>Eriostemon spicatum</i> ✓				<i>Tripterococcus brunonis</i> ✓				<i>Stylidium repens</i> ✓
			<i>Trachymene leafy</i> ✓				<i>Stylidium affine</i> ✓				<i>Stylidium brunonianum</i> ✓
							<i>Cassytha racemosa</i> ✓				<i>S. juncea? S. juncea?</i> ✓
							<i>Laxmannia squarrosa</i> ✓				<i>Styl. bulbiferum?</i> ✓
							<i>Goodenia caerulea</i> ✓				<i>Styl. hispidum</i> ✓

Chaenascilla corymbosa ✓ ☒

7-May-97

Standard Report

Family	Genus	Species	InfrRa
Asteraceae	Senecio	cassiniioides	
Asteraceae	Waitzia	acuminata / corymbosa intermediate	
Asteraceae	Waitzia	sp. nov.	
Boraginaceae	Halgania	sp. nov.	
Caesalpiniaceae	Senna	artemisioides	subsp.
Chenopodiaceae	Arthrocnemum	brachystachyum	
Chenopodiaceae	Atriplex	cephalantha	
Chenopodiaceae	Atriplex	humifusa	
Chenopodiaceae	Chenopodium	leucocarpum x melanocarpum	
Euphorbiaceae	Phyllanthus	sp. nov.	
Gentianaceae	Erythraea	australis	
Goodeniaceae	Velleia	reinwardtii	
Haemodoraceae	Anigozanthos	humilis x kalbarriensis	
Haemodoraceae	Anigozanthos	kalbarrensis x manglesii	
Isoetaceae	Isoetes	cf. mongerensis	
Loranthaceae	Lysiana	linearifolia	
Malvaceae	Hibiscus	cf. drummondii	
Mimosaceae	Acacia	cf. restiacea	
Mimosaceae	Acacia	id 10 (k)	
Mimosaceae	Acacia	ligulata x ? sclerosperma	
Mimosaceae	Acacia	ligulata x sclerosperma	subsp.
Mimosaceae	Acacia	P175	
Mimosaceae	Acacia	rostellifera x xanthina	
Mimosaceae	Acacia	Sect. Juli. (Microneuræ, terete)	
Mimosaceae	Acacia	Sect. Julifloræ (Microneuræ, flat)	
Mimosaceae	Acacia	Sect. Phyllod. (miscellaneous)	
Mimosaceae	Acacia	Sect. Pluri. (microneuræ, terete)	
Mimosaceae	Acacia	sp. (probably a hybrid involving A. x	
Mimosaceae	Acacia	sp. P19 (A.A. Mitchell 231)	
Mimosaceae	Acacia	sp. P94 (J.S. Beard 6178)	
Myoporaceae	Eremophila	cf. subfloccosa	
Myrtaceae	Eremaea	sp. nov.	
Myrtaceae	Eucalyptus	jucunda x roycei	
Myrtaceae	Melaleuca	cf. depressa	
Myrtaceae	Melaleuca	cf. leiopyxis	
Myrtaceae	Melaleuca	sp. III	
Myrtaceae	Melaleuca	sp. nov. I aff. concreta	
Myrtaceae	Melaleuca	sp. nov. I aff. concreta	
Myrtaceae	Melaleuca	sp. nov. II aff. nesophila	
Myrtaceae	Thryptomene	cf. strongylophylla	
Myrtaceae	Verticordia	etheliana x oculata	
Myrtaceae	Verticordia	inclusa x roei	
Oleaceae	Jasminum	sp. aff. didymum	
Orchidaceae	Caladenia	flava x reptans	
Orchidaceae	Caladenia	polakii	
Orchidaceae	Caladenia	varians	subsp.
Orchidaceae	Caladenia	x spectabilis	
Orchidaceae	Microtis	sp. nov.	
Papilionaceae	Isotropis	sp. nov.	
Papilionaceae	Tephrosia	minor	
Proteaceae	Conospermum	microflorum / stoechadis	
Proteaceae	Conospermum	stoechadis / minutiflorum	
Proteaceae	Grevillea	cf. argyrophylla	
Proteaceae	Grevillea	cf. pinaster	

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 KELM 02

Record on Sheet

Date 10.10.96

- 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. marginata				Do Labeckia punctata				Shal. sternus (sl)			
Allocas. fraseriana				Groph. knightianum				Lawandria sp. - caespitosa			h
				Trachymene pilosa			h	Stylidium ? schaffneri			h
SHRUBS				Dampiera linearis				Hydrocotyle			
Libb. hypericoides				Acacia? Dalman barbinervis			h	Melotia sp.			h
Hibb. sp. (blue-rose)			h	Ursinia anthemoides			h	Vulpia sp.			
MALVEES				Griostemma spicatum				Aira carophyllae			
Libb. commutata			h	Thelymitra crinum			h	Cassylia racemosa			h
Dry. nivea			h	GRASSES				Laxmannia savatosa			h
Hakea lissocarpa				Amphipogon turbinatum			h	Levenhookia sp.			h
Daveia Womb. folia				Tripterocarpus sp.			h	Neurachne abopercuoides			
SHRUBS				Caladenia sp. (floral)			h	Haemodorum sp. terete thin leaf			
Isopogon sphaceloph.				Tetratheca hirs. longicauda			h	Conostylis setosa			
Petrophile ciliaris								SEDGES			
Xan. preisi				Tetraria capillaris				Large Lomandra sp. - L. linearis			✓
Leucopogon pulchellus				Haemodorum sp. 2. strap leaf				flattened inflores			
Daveia ← Acacia sp? (NF)			h	Thysanotus sparticus - T. exaltior			h	(scape not terete)			
Adiantum rubiginos				Thysanotus - basal chovl - NF			h	Lepidosperma terete			
Andersonia sp (NF)			h	HERBS				obtriangular in XS			
Small Hakea stenocarpa			h	Tricoline spathulatum							
Patelesia pallidus				Thysanotus distichus fastigius			h	Lepidosperma lepis angustatum			
Patelesia pugazon				Thysanotus terete (leaf single)			h				
Styphelia tenuiflora				Stylidium repens				Billardiera ? floribunda			
Baeckha. conchocarpa				humorum				Pranaya (swollen parts)			
Bessiera ornata			h	jurcoa				Lomandra ? preisi			
Dry. nivea			h	pulbiferum				(ribbed margins)			
Flouca Uchorizon folia			h	Conostylis setosa							
Daveia decurrens				Daveia stolonifera				Wax (chaenosis) corymbosa (in)			
Agrostis				Prosera sp (pungent)				Trystium latifolium (ADS)			
				Arctulzia echina			h				
				Stylidium pluliferum			h				

No recode. - BURNT DEC 1996!

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 KELM03

Record on Sheet

Date 11.10.96

11.12.96 (R)

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

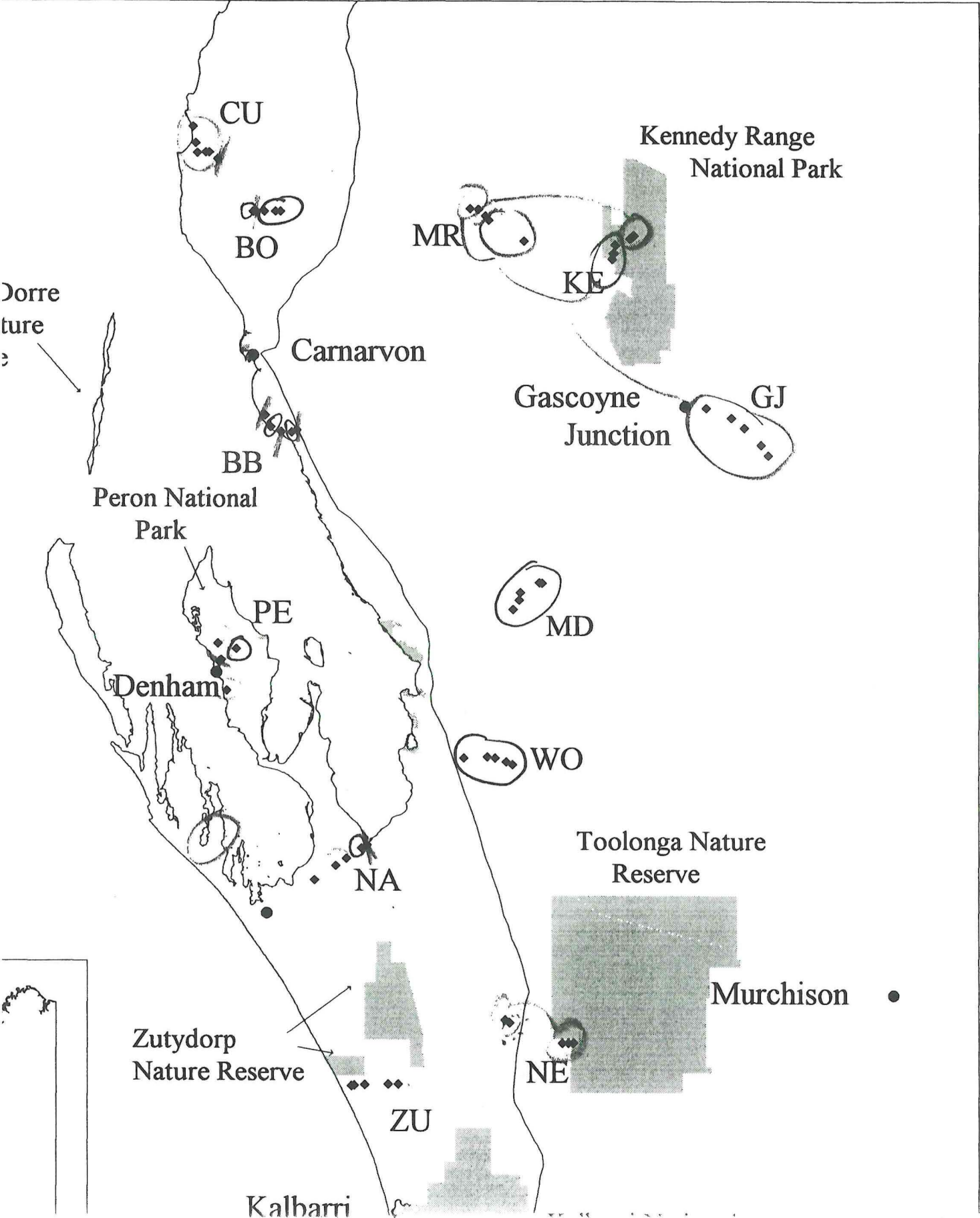
SHRUBS	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Baeckea camphorosma</i> ✓			✓R					<i>Thelymitra crinita</i> ✓	✓		✓
<i>Grevillea endlicheriana</i> ✓			✓R					<i>Cassipoua pariformis</i> ✓	✓	✓	✓R
<i>Hakea cinerea</i> ✓			✓R					<i>Caesia micrantha</i> ✓			✓
<i>Mitrella spinesa</i> ✓			✓R					<i>Burchardia congesta</i> ✓			✓R
<i>Phyllanthus calycinus</i> ✓			✓R					<i>Stylidium bruceianum</i> ✓			✓
<i>Bracken dubius</i> ✓			✓R					<i>Homalium homalocarpum</i> ✓			✓
<i>Allocasuarina humilis</i> ✓✓✓			✓R					<i>Opuntia sp?</i> ✓			✓R
<i>Hemigleria incana</i> ✓✓✓			✓R	GRASSES				<i>Actinotus leucoccephalus</i> ✓	✓	✓	✓R
<i>Cryptantha arborea</i> ✓✓✓			✓R	<i>Aira caryophylla</i> ✓	✓		✓R	<i>Romulea rosea</i> ✓			✓R
<i>Melaleuca aff. scabra</i> ✓✓			✓R	<i>Neurachne alopecuroides</i> ✓✓	✓		✓R	<i>Wahlenbergia preissii</i> ✓		✓	✓R
<i>Calamagrostis quadrifida</i> ✓✓			✓R	<i>Stipa compressa</i> ✓✓	✓		✓R	<i>Hyaloxena cotula</i> ✓			✓R
<i>Gastrolobium spinosum</i> ✓✓			✓R	<i>Stipa elegantissima</i> ✓✓	✓		✓R	<i>Opuntia vaginata</i> ✓		✓	
<i>Pinetia imbricata var. peltata</i> ✓✓			✓R	<i>Amphipogon sp. strictus</i> ✓✓	✓		✓R	SEDGES			
<i>Acacia pulchella</i> ✓✓			✓R	<i>A. sp. inder?</i> ✓	✓			<i>Schoenus nictus</i> ✓	✓	✓	✓
<i>Hibbertia hypericoides</i> ✓✓			✓R					<i>Schoenus grammotophyllus</i> ✓✓	✓	✓	✓
<i>Gastrolobium spinosum</i> ✓✓			✓R					<i>Desmodium aspera</i> ✓			✓R
				HERBS							
				<i>Gnaphalium aff. micrantha</i> ✓✓	✓		✓				
				<i>Levanhookia pusilla</i> ✓✓	✓		✓R	<i>Pterochaeta paniculata</i> ✓		✓	
				<i>Hydrocotyle calicarpa</i> ✓✓	✓		✓R	<i>Wahlenbergia preissii</i> ✓		✓	
				<i>Stylidium bulbiferum (indul)</i> ✓✓	✓		✓R				
				<i>Chaenoscilla corymbosa</i> ✓✓	✓		✓				
				<i>Laxmannia squarrosa</i> ✓✓	✓		✓R				
				<i>Thysanotus spartacus</i> ✓✓	✓		✓R				
				<i>Borja sphaerocephala</i> ✓✓	✓		✓R				
				<i>Tripterococcus brunonis</i> ✓✓	✓		✓R				
				<i>Drosera morjesii</i> ✓✓	✓		✓				
				<i>Thysanotus nonglesianus</i> ✓✓	✓		✓R				
				<i>Gonocarpus cordiger</i> ✓✓	✓		✓R				
				<i>Drosera erythrorhiza</i> ✓✓	✓		✓R				

need to enter!

↑

1

TES AND QUADRATS FOR THE CARNARVON BASIN SURVEY



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 KELM03

Record on Sheet

Date 11.12.96

Resione

- 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
								<i>Allocastrum humilis</i>			
								<i>Borhya sphaerocephala</i>			
								<i>Thysanotus spateus</i>			
								<i>Levdhookia pucilla</i>			
								<i>Opercularia sp.</i>			
								<i>Actinotus sp.</i>			
MALLEES								<i>Amphipogon sp.</i>			
				GRASSES				<i>Tuopandus sp. - climbing</i>			
								<i>Cassia sp.</i>			
SHRUBS								<i>Rourea rosea</i>			
								<i>Ara canyophyllae</i>			
								SEDGES			
								<i>Hydrocotyle</i>			
								<i>Helianthus</i>			
								<i>Wahlenbergia sp.</i>			
				HERBS				<i>Loxocarya flex.</i>			
								<i>Gastro. spinosum (IN)</i>			
								<i>Epa. ?</i>			
								<i>Stipa sp.</i>			

check id Borja!

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 KELM03

Record on Sheet

- Column 1 plant name

- Column 2 plant number

• Column 3 flowering time- TICK if species flowering

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

Date 10.10.96

[illegible]

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESENCE

SITE No KELM04

Date 10.10.96

11.12.96(R)

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

TREES				SHRUBS (cont.)				HERBS (cont.)			
No	FI	ID		No	FI	ID		No	FI	ID	
			<i>Euc. calophylla</i> ✓				<i>Burchardia congesta</i> ✓				<i>Haemodorum discolor</i> ✓
							<i>Chaenodescilla corymbosa</i> ✓				<i>Trifolium sp. sterile</i> ✓
			SHRUBS				<i>Agrostocrinum scabrum</i> ✓				<i>Pedolepis gracilis</i> ✓
			<i>Gompholobium marginatum</i> ✓				<i>Comesperma sp. the. calata</i> ✓				<i>Centaurium erythraea</i> ✓
			<i>Santalum acuminatum</i> ✓				<i>Oxalis sp. patens</i> ✓				<i>Xanthosia candida</i> ✓
			<i>Dryandra lindleyana</i> ✓				<i>Tetrarrhena laevis</i> ✓				<i>Xanthosia huegelii</i> ✓
			<i>Hakea undulata</i> (seedling) ✓				<i>Neuvadme absecurioides</i> ✓				<i>Lomandra sericea</i> ✓
			<i>Hemigenia incana</i> ✓				<i>Danthonia sp. sterile</i> ✓				<i>Pronaya hookeri</i> ssp <i>fraseri</i> ✓
			<i>Hibbertia commutata</i> ✓				GRASSES				<i>Sonchus oleraceus</i> ✓
			<i>Thomasia foliosa</i> ✓				<i>Briza minor</i> ✓				<i>Linum trigynum</i> ✓
			<i>Hibbertia hypericoides</i> ✓				<i>Briza maxima</i> ✓				<i>Thysanotus spartea</i> ✓
			<i>Acanthocarpus preissii</i> ✓				<i>Aira canyophylla</i> ✓				<i>Drosera menziesii</i> ✓
			<i>Leucopogon capitatus</i> ✓				<i>Danthonia setacea</i> ✓				<i>Trifolium angustifolium</i> ✓
			<i>Trymallium ledifolium</i> rosm... ✓				<i>Stipa pycnostachya</i> ✓				SEDGES
			<i>Pimelea ciliata</i> ✓				<i>Poa drummondiana</i> ✓				<i>Mesomelaena tetragona</i> ✓
			<i>Eriostemon spicata</i> ✓				<i>Avena barbata</i> ✓				<i>Schoenus grammatophyllus</i> ✓
			<i>Allocasuarina humilis</i> ✓				<i>Stipa elegantissima</i> ✓				<i>Desmodium aspera</i> ✓
			<i>Grevillea pilulifera</i> ✓				<i>Brachypodium distachyon</i> ✓				<i>Tetraria octandra</i> ✓
			<i>Labiichea punctata</i> ✓				HERBS				
			<i>Nemcia capitatum</i> ✓				<i>Patersaria rudis</i> ✓				<i>Prasophyllum? sp (sterile)</i> ✓
			<i>Leucopogon pulchellus</i> ✓				<i>Trachymene pilosa</i> ✓				<i>Thelymitra crinita</i> ✓
			<i>Acacia pulchella</i> ✓				<i>Anagallis arvensis</i> ✓				<i>Cassutha poraiformis</i> ✓
			<i>Hypocalymma angustifolium</i> ✓				<i>Paranthera microphylla</i> ✓				<i>Cassutha glabella</i> ✓
			<i>Phyllanthus calceolus</i> ✓				<i>Drosera stolonifera</i> ✓				<i>Ptilopus menziesii</i> ✓
			<i>Isopogon sphaerolophata</i> ✓				<i>Wahlenbergia preissii</i> ✓				<i>Stylidium bulbiferum</i> ✓
			<i>Baeckha canthosmum</i> ✓				<i>Levenhookia pusilla</i> ✓				<i>Conostylis aculeata</i> ✓
			<i>Hakea stenocarpa</i> ✓				<i>Homalotriadium homalocarpium</i> ✓				<i>Stylidium brunerianum</i> ✓
			<i>Davosia decurrens</i> ✓				<i>Hydrocotyle calicarpa</i> ✓				<i>Conostylis setosa</i> ✓
			<i>Lechenanthea biloba</i> ? ✓				<i>Pterocneta paniculata</i> ✓				<i>Stylidium affine</i> ✓
							<i>Romulea rosea</i> ✓				<i>Sonchaea laxiflora</i> ✓
							<i>Thysanotus manglianus</i> ✓				<i>Ursinia anthemoides</i> ✓
							<i>Coesia micrantha</i> ✓				<i>Tricoune elatior?</i> ✓

Scaevola glandulifera ✓ 11/12.96
(id 20)

Lagenifera huegelii ✓

Haemodorum laurum ✓
Trifolium dimum ✓

10.10.96

beds jarve - it was H. steno as H. mcdon...

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 KELMOLE

Record on Sheet

Date 10.10.96

- 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. calophylla	✓			Hakea stenocarpa	✓			Haemodorum sp. step leaf	✓		
				Somdorea laxiflora				Thys. nangleianus			
Gomph. marg.	✓			Ursula anthonoides	✓			Compositae sp. blue			
Santalum acuminatum	✓			Labordia purpurea	✓			Tym. led. filia			
Dry nirea	✓			Thamnia/Rillingia foliosa				Hemma Himmlocarpus			
Hakea undulata (seed)	✓			B. Trycorone elador	?			Podelepis sp.	✓		
MALLEES				Doveia decurms				Thysanthus spartens ???			
Pl. latus mangleri				Leimhorkia sp				Anagalis arvensis			
Stylid. bulbiferum	✓			GRASSES				Paranthus microphylla (Euphorbia)			
Romulea vasa	✓			Briza maxima	✓			Briza nina	✓		
Adans sp. 1				Stipa elegantissima	✓			Hydrocotyle sp			
SHRUBS				Sorbus cleareous				Oxalis sp			
Loxocarya flexuosa	✓			Loxocarya flexuosa	✓			Aira carophylize			
Conostylis aculeata	✓			Burchardia congesta	✓			SEDGES			
Allocas. humilis	✓			Cheerovita corumbosa	✓			Lepidosperma: thick wall sephoid			
Acacia pulchella	✓			Caesia micrantha	✓			Lepidosperma sp. large flat stem			
Hypox. angustifolium	✓			Danthonia sp	✓			Schoenus bark. vasa (Hed. before)	✓		
Hibb. hypericoides	✓			Narcia capt.	✓			Stipa sp. (2)			
Pateisoria acrostachya	✓			HERBS				Poa sp.			
Pateisoria rudis	✓			Cassutha glabella	✓			Cassutha volenosa	✓		
(Prob all vorkis)				Hakea incarnata stenocarpa	✓			Mesomallora tetragona	✓		
Gomph. marginatum	✓			Tym. led. filia				Tetraria octandra	✓		
Styl. humosum	✓			Neuachne alopecuroides				Tetrachena lavis	✓		
Phyllanthus calycinus	✓			Trach. Agr. Scabrum				Lepidosperma large terete smooth	✓		
Conostylis setosa	✓			Trach. - Pilosa				It's stem slightly flattened			
Ar.				Thelymitra crinita	✓						
Isopren sphaerocarp	✓			Burchardia congesta	✓			Large Loxandua sp	✓		
Styl. affine				Prosera menziesi				Acaulmocarpos preisi			
Dios. stolonifera				Lechenaultia biflora							
Paeclad. arphodora	✓			Prasophyllum sp (1m high)							
Xanthosia candida	✓										
Hibb. carantata	✓										

grey L. seicea

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

SITE No	KELMØ4
Date	11.12.96
	Rescore

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
								Cassipouira sp			
								check Thymochloa spicata			
								Nerica capitatum			
								Thymochloa sp.			
								Dytilidion bracteatum			
								Compact grass			
MALLEES								Bradyrhoeo			
								Lindum sp.			
								Scandea sp.			
				GRASSES				Pimelea sp.			
								Lagenifera laevis			
SHRUBS								Acacia? / Davallia?			
								Eriostemon / Borenia			
								SEDGES			
								DPS. neesii			
								Th. Xanth. laevis			
				HERBS				Pink FLW opp. leaves			
								Astroloma sp.			
								Agv. Scabrum			
								Pill'ndiera?			

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 KELM05

Record on Sheet

Date 11.10.96

11.12.96

- 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
<i>Eucalyptus wandoo</i> ✓			✓R					<i>Banksia hirsuta</i> ✓			✓
SHRUBS											
<i>Acacia pulchella</i> ✓			✓R								
<i>Banksia canthamosma</i> ✓			✓R								
<i>Phyllanthus calycinus</i> ✓			✓R								
<i>Gompholobium marginatum</i> ✓		✓	✓R								
<i>Herminia incana</i> ✓											
<i>Hibbertia hypericoides</i> ✓			✓R	GRASSES							
<i>Calothymus quadrifidus</i> ✓	✓		✓R	<i>Themeda australis</i> ✓		✓	✓R				
<i>Hibbertia corymbosa</i> ✓	✓		✓R	<i>Stipa elegantissima</i> ✓		✓	✓R				
<i>Chorizandra dicksonii</i> ✓			✓R	<i>Newmachne alopecuroides</i> ✓			✓R				
<i>Hakea erinacea</i> ✓			✓R	<i>Braea maxima</i> ✓			✓R				
<i>Melaleuca aff. radula</i> ✓			✓R					SEDGES			
<i>Hakea lissocarpha</i> ✓			✓R					<i>Desmodium aspera</i> ✓			✓R
<i>Dryandra lindleyana</i> ✓			✓R								
<i>Alphacarpus humilis</i> ✓			✓R								
<i>Hypocalymma angustifolium</i> ✓			✓R	HERBS							
<i>Astroloma pallidum</i> ✓		✓	✓R	<i>Tricoryne elatior</i> ✓	✓	✓	✓R				
				<i>Cassytha gomiformis</i> ✓	✓		✓R				
				<i>Haemodorum simplex</i> ✓	✓		✓R				
				<i>Thysanotus manglesianus</i> ✓	✓		✓				
				ADS: <i>Dampieraolata</i> ✓	✓						
				ADS: <i>Danthonia & aevosa</i> ✓	✓						
				<i>Stypandra glauca</i> ✓		✓	✓R				
				<i>Gonocarpus cordiger</i> ✓			✓R				
				<i>Ronula rosea</i> ✓			✓R				
				<i>Stylidium bulbiferum</i> ✓			✓R				
				<i>Conostylis aculeata preissii</i> ✓			✓R				

in the field

APPLICATION FOR NATURAL HERITAGE TRUST FUNDING FROM THE ENDANGERED SPECIES PROGRAM

AGENCY: Western Australian Department of Conservation and Land Management

28

PROJECT TITLE: Implementation of Wildlife Management Program No. ~~XXX~~ Declared Rare and Poorly Known Flora in the Moora District.

PROJECT NUMBER: 528

PROJECT SUPERVISORS: Mr David Rose (Moora District Manager) and Mr Andrew Brown (Western Australian Treated Species and Communities Unit) will continue to supervise the project within the framework of the Moora District Threatened Flora Recovery Team.

FUNDING DETAILS: A further three years funding is required to continue with the implementation of the Moora District's Declared Rare and Poorly Known Flora Management Plan.

Funding will be applied to the continuing employment of the District's Conservation Officer, Rebecca Wolstenholme (who is responsible for implementing management actions, including Interim Recovery Plans), and the continuance of the District's Rare Flora Recovery Team.

Recovery Plans and

SPECIES DETAILS

ESP ACT STATUS: 15 endangered taxa, 32 vulnerable taxa, 5 presumed extinct taxa and 5 taxa Declared as Rare Flora since the 1993 ANZECC listing.

need to list these as per ESAC list

LOCATION: Selected sites within the Moora District; includes 8 local authorities, 90+ Nature Reserves, 8 National Parks and a number of significant areas identified in the Moora District Wildlife Management Plan for addition to the conservation estate.

GENETIC DISTINCTIVENESS: High. 54 species, 2 subspecies all endemic to the south-west of Western Australia.

BIODIVERSITY BENEFITS: The Moora District covers one of the most floristically rich areas in Australia and the World, and includes National Parks of outstanding conservation value such as Lesueur National Park and Watheroo National Park. Protection and management of rare and threatened flora in this area will not only benefit the myriad of associated plant species but will also benefit the many birds, mammals and insects which rely on these species for food and shelter.

SOCIAL/CULTURAL IMPORTANCE: Wildflowers are a major tourist attraction within this District. Also, at a community level a network of community volunteers has been established in this project. Species or sub species may in future provide an opportunity for utilisation or other direct benefits to humans. They may be ecological keystone species for a particular ecosystem in temporary remission due to climatic or disturbance factors. Species such as these may represent important links in the study and understanding of evolution of the plant kingdom. These plant species have intrinsic value in their own right which should be preserved for appreciation by future generations.

A = ER
B = EN
SCORE of
18 or above
12-18

PROJECT DETAILS

OBJECTIVE: To continue with the implementation of the management and research actions for threatened flora in CALM's Moora District.

CRITERIA: Appropriate protection and conservation of taxa and populations as outlined in the Wildlife Management Program for rare and threatened flora in the Moora District.

DURATION OF PROJECT: Five years.

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE	
SITE No	KELM 85
Date	11.18.96

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

[illegible]

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 KFLM05

Record on Sheet

Date 11.12.96

- Column 1 plant name

- Column 2 plant number

• Column 3 flowering time- TICK if species flowering

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

[illegible]

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESENCE

SITE No KELMØ6

Date 10. 11.10.96

11.12.96 (R)

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Eucalyptus marginata ✓	✓		✓	Romulea rosea ✓	✓			Haemodorum laxum ✓	✓	✓	✓
Euc. calophylla ✓	✓		✓	Dianella revolutans ✓	✓		✓	Stylidium hispidum ✓	✓	✓	✓
				Lagerflera huegelii ✓	✓		✓	Dampiera linearis ✓	✓	✓	✓
				NE Billardiera? / Prohaya?? ✓	✓		✓	NE Lomandra nigricans ✓	✓	✓	✓
Isopogon sphaecephalus ✓	✓		✓	Burchardia congesta ✓	✓		✓	Cassytha paniciformis ✓	✓	✓	✓
Xanthorrhoea gracilis ✓	✓		✓	Eriostemon spicatus ✓	✓		✓	Lomandra micrantha ✓	✓	✓	✓
Dryandra sessilis ✓	✓		✓	Baeckea camphorosmae ✓	✓		✓	Lomandra seicea ✓	✓	✓	✓
Astragalus pallidum ✓	✓		✓					Lomandra bittani ✓	✓	✓	✓
Bossiaea ornata (id=) ✓	✓	✓	✓	GRASSES				Xanthoxia candida ✓	✓	✓	✓
Acanthocarpus preissii ✓	✓		✓	Poa drummondiana ✓	✓	✓	✓	Stylidium affine ✓	✓	✓	✓
Labichea punctata ✓	✓	✓	✓	Stipa pycnostachya ✓	✓	✓	✓	Scaevola caliptera ✓	✓	✓	✓
Nemcia capitatum ✓	✓		✓	Stipa elegantissima ✓	✓	✓	✓	Crasspedia variabilis ✓	✓	✓	✓
Flower hisperma hisperma ✓	✓	✓	✓	Bipa maxima ✓	✓		✓				
Leucopogon capitatus ✓	✓	✓	✓					SEDGES			
Sphaerolobium medium ✓	✓		✓					Desmodium flexuosum ✓	✓	✓	✓
Allocasuarina humilis ✓	✓		✓					Schoenus nanus ✓	✓	✓	✓
Hibbertia commutata ✓	✓		✓					Tetraria octanetra ✓	✓		✓
Hakea stenocarpa ✓	✓		✓								
Acacia pulchella ✓	✓		✓	HERBS							
Hibbertia hypericoides ✓	✓		✓	Thysanotus mangleriensis ✓	✓	✓	✓				
Tymalium pedunculatum ✓	✓		✓	Sowerbaea laxiflora ✓	✓		✓	Thelymitra benthamiana ✓	✓	✓	✓
Dryandra lindleyana lindleyana ✓	✓	-	✓	Pateraria pygmaea ✓	✓	✓	✓	Pateraria rudis rudis ✓	✓	✓	✓
Phyllanthus calycinus ✓	✓	-	✓	Corostylis aculeata ssp preissii ✓	✓	✓	✓	Glaucolus sp. caespitosa ✓	✓	✓	✓
Macrorhiza medii ✓	✓	-	✓	Tricoryne elatior ✓	✓		✓	Arthropodium capillipes ✓	✓	✓	✓
Xanthorrhoea preissii ✓	✓	-	✓	Centropogon aristata ✓	✓	✓	✓	Ptilopus mangelsii ✓	✓	✓	✓
Hakea lissocarpa ✓	✓	-	✓	Thysanotus sparteus ✓	✓	✓	✓	NE Diuris? sp. ✓	✓	✓	✓
Lechenautia biloba ✓	✓	-	✓	Caesia micrantha ✓	✓	✓	✓	Corostylis setosa ✓	✓	✓	✓
NE Gonolobium preissii ✓	✓	-	✓	Comesperma calymega ✓	✓	✓	✓	Chaenactis corymbosa ✓	✓	✓	✓
Olearia paucidentata ✓	✓	✓	✓	Haemodorum discolor ✓	✓	✓	✓	Trichodine spatulata ✓	✓	✓	✓
Daviesia decurrens ✓	✓	-	✓	Diuris? brumalis ✓	✓	✓	✓	Stylidium bulbosum ✓	✓	✓	✓
NE Synaphea? gracillima? ✓	✓	✓	✓	Comesperma vaginatum (Milo id) ✓	✓	✓	✓	Drosera mangelsii ✓	✓	✓	✓
				Agrostocrinum scabrum ✓	✓	✓	✓	Drosera stolonifera ✓	✓	✓	✓

NE Caladenia longicauda longicauda ✓

NB: ~~Sauvagesa~~ has
ceased flowering

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

$\therefore$ Keep looking for
Leaves
(monotrophic Tigula)

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
E. marginata	✓			Olea paucidentata	✓			Cassutha glabella	✓		✓
E. calophylla	✓			Philolus manglii	✓			Cassutha racemosa	✓		✓
				Diuvius sp.				Thelymitra crinita			
SHRUBS				Davosia decurvens	✓						
Agrostocrinum scabrum	✓	✓		Conostylis setosa				Hovea chlorogeni Poliz	✓		✓
Hibba commutata	✓	✓		Chaenostoma corymbosa				Dry sessilis	✓		✓
MALLEES				Ephaerolobium ? medium-	✓	✓		Leucopogon sp. sterile pl.			✓
Hakea stenocarpa	✓			Stylidium ptiluliferum	✓	✓		Lagonichora huegii	✓		✓
Acacia pulchella	✓			GRASSES				Burchardia congesta	✓		✓
Hibb. hypericoides	✓			Poa sp.	✓	✓		Isopogon sphaerocarpalis	✓		✓
Trymalium latifolium	✓			Stipa sp (origanifolia)	✓	✓		Asiotoma sp (NA) ? pallidum	✓		✓
SHRUBS				Tricodine spathulata	✓						
Dry nivea	✓			Namcia cordatum	✓						
phy. cal.	✓			Stylidium brunneonum	✓			SEDGES			
Allorax. humilis.	✓	✓		Synochaena ? petiolaris	✓			Lopidosperma: terete smooth	✓		✓
Paterosonia rudis	✓			Thelymitra - (NW)				Tetraria octandra	✓		✓
Macronia reidii	✓			Drosera manglii				Lomandra sp. blue strip. leaf	✓		✓
Gladiolus sp	✓			Paterosonia pygmaea	✓	✓		Lomandra flexuosa	✓		✓
Conostylis aculeata	✓	✓		HERBS				Large flat Lopidosperma	✓		✓
Scaevola ptilonotata	✓	✓		Stylidium affine	✓	✓		Small Lomandra sp. (grassy. page 10)			✓
Boppiaea ornata	✓	✓		Craspelia sp.	✓	✓		Griostemon spiratus	✓		✓
Arthropodium capilliped	✓			Prosera stolonifera				Baerlea candior			
Xan preissii	✓			Haemodorum striatopetalum	✓	✓					
Hakea lissocarpa	✓			Thysanotus mangliconus		✓					
Caciza micrantha	✓			Briza maxima							
Xanthosia candida				Romulea rosea							
Lochneraulia biloba	✓			Dampiera inaevis		✓					
Amph. ? tomentosa											
				Billardiera sp (sterile)	✓						

REMNANT VEGETATION
on the
ALLUVIAL SOILS
of the
EASTERN SIDE
of the
SWAN COASTAL PLAIN

APPENDICES 1 TO 3

Prepared by

Bronwen Keighery and Malcolm Trudgen

for the Department of Conservation and Land Management. This project was funded under the National Estate Program, a Commonwealth-financed grants scheme administered by the Australian Heritage Commission (Federal Government) and the Heritage Council of Western Australia (formerly the Western Australian Heritage Committee) (State Government).

March, 1992

Drainage: Good to Moderate
Aspect: Steep, NE

Location 47 - Lloyd Hughes Park, Martin St Kelmscott. Location Map 10. Vegetation Map Area 19, p98.

Yeg: r W, m W, w W
with areas of severe localised disturbance

Cond: Very Good to Good

GENERAL COMMENTS

At this Location of approximately 17 ha the watercourse is in a relatively natural condition. The upper area where the watercourse originates, probably from a spring, has a ground stratum of sedges which becomes mixed with *Typha? domingensis* on the lower slopes. * *Watsonia marginata* is scattered through the Woodland in the upper reaches of the watercourse and becomes a significant species (20-30% cover) in the low wet flat in the west of the Reserve. * *Cortaderia selloana* is a significant species in the upper areas of the watercourse. On the remainder of the Location there is Marri Woodland on the lower slopes and Wandoo Woodland on the higher slopes. Much of the Location is in Very Good to Good Condition but there are many areas of severe localized disturbance associated with tracks, gravel mining, rubbish dumping, water erosion due and weed invasion. Significant weeds along the margins of the tracks and particularly the road are * *Avena fatua*, * *Ehrharta calycina*, * *Eragrostis curvula*, * *Cytisus proliferus*, * *Acacia podalyriifolia*, * *Pennisetum clandestinum* and * *Trifolium angustifolium*. A great deal of the Location was been burnt in Autumn 1991.

Site 47a

r W Flooded Gum Woodland over *Yiminaria juncea* High Open Shrubland over Pampas Grass Open Grassland over Closed Sedgeland

Trees: *Eucalyptus rudis*

Shrubs: *Yiminaria juncea*

Grasses: * *Cortaderia selloana*

Herbs: *Burchardia multiflora*, *Lobelia alata*, * *Anagallis arvensis*,
* *Urospermum picroides*

Adjacent: * *Watsonia marginata*

Sedges: *Baumea* species

CONDITION

Rating **Good**

Comments: The site is invaded by Pampas Grass (* *Cortaderia selloana*) and is subject to frequent fires as indicated by the presence of dead trees, the young Flooded Gums and the epicormic growth on the trees.

Aerial Photo: Run 14 5131

Soil: dark brown peaty loam, ?SW (King and Wells 1990) 1

Drainage: poor
Aspect: gentle to steep slope to the SW

Site 47b

m W Marri Woodland over Low Shrubland over Open Grassland and Herbland

Trees: *Eucalyptus calophylla*
Adjacent: *Eucalyptus marginata*, 4* *Eucalyptus wandoo*

Shrubs: 4* *Hakea lissocarpa*, *Phyllanthus calycinus*, *Hibbertia hypericoides*, *Dryandra nives*, *Gompholobium reticulatum*, 4* *Acacia lateritica*, *Fimelea* sp

Grasses: + *Stipa campylocha*, + *Stipa elegantissima*, + * *Piptatherum miliaceum*
+ *Phacelisena stipoides*, * *Briza maxima*, * *Briza minor*

Herbs: *Burchardia multiflora*, *Thysanotus multiflorus*, 4* *Trichecline scottulata*, 4* *Stypandra glauca*, *Scaevola* species, *Caesia micrantha*, *Arthropodium capillipes*, *Ptilotus manglietii*, *Ptilotus* sp, *Uerularia vaginata*, *Kennedia prostrata*, * *Trifolium campestre*

Adjacent: *Kennedia coccinea*, *Eryngium pinnatifidum*, *Oxalis* species

Fern: 4* *Cheilanthes austrotenuifolia*

CONDITION

Rating: Good

Comments: The condition of this site is affected by fire, there is a predominance of shrub species regenerating from rootstocks at the site and there is a significant weed cover, especially * *Briza maxima* (10% cover).

Aerial Photo: Run 14 5131

Soil: lateritic brown loam, ?F/D3 (King and Wells 1990)

Drainage: well

Aspect: steep slope, SW

Site 47c

w W Wandoo Low Open Woodland over *Acacia lateritica* Shrubland over Low Shrubland

Comments: In adjacent areas the *Hakea undulata*, *Lasiopetalum floribundum* and *Hakea trifurcata* at times form an Low Closed to Open Heath stratum.

Trees: *Eucalyptus wandoo*

Shrubs: 2&4* *Acacia lateritica*, *Acacia pulchella*, *Daviesia horrida*, *Xanthorrhoea preissii*, *Macrozamia riedlii*, 4* *Hibbertia commutata*, *Dryandra nives*, *Sphaerolobium medium*, 4* *Hakea lissocarpa*, 2&4* *Bassia ornata*, *Hibbertia hypericoides*, 4* *Fimelea imbricata*, 4* *Gompholobium marginatum*

Adjacent: 4* *Petrophile biloba*, 2&4* *Isopogon asper*, 4* *Hakea undulata*, 4* *Hakea trifurcata*, 4* *Lasiopetalum floribundum*, 2&4* *Chorizema dicksonii*, 3,4* *Gonocarpus pithyoides*, 2&4* *Gompholobium polymorphum*

Grasses: *Stipa camphylachne*, *Tetrarrhena laevis*

Herbs: 4* *Stypandra glauca*, *Pronayasp*, *Cassytha glabella*, *Cassytha* sp., *Fatersonia occidentalis*, 4* *Fatersonia juncea*, *Olearia elaeophila*, *Stylidium bulbiferum*, 4* *Stylidium affine*, 4* *Xanthosia candida*, *Scaevola* sp.
Adjacent: 4* *Acanthocarpus consiliolatus*

Sedges: *Lepidosperma ? tenue*

CONDITION

Rating **Very Good**

Comments: Adjacent areas in this association have areas of severe localised disturbance associated with gravel mining

Aerial Photo: Run

Soil: brown lateritic loam, ?F/DS (King and Wells 1990)

Drainage: good

Aspect: very gentle, NW

Location 48 - NW junction Connel Ave and Ciro Rd, Kelmscott. Location Map 10
Vegetation Map Area 18, p98

Veg: me Sc, r OW, s Sc, ja W, v LW

Cond: Good

GENERAL COMMENTS

This Location of 22ha has *Melaleuca preissiana* Open Forest and *Melaleuca raphiophylla* High Open Shrubland on the low lying areas to the west and moving upslope to the east *Jacksonia sternbergiana* Open Scrub, *Allocasuarina fraseriana* Woodland, Jarrah and *Allocasuarina fraseriana* Open Forest and Wandoo Open Woodland. There are very few *Sanksia menziesii* or *S. attenuata* at this Location which is unusual when there are many species in the understorey of Site c typical of *Sanksia* Woodlands. This could indicate the presence of dieback. The latter two associations form a continuum and are mapped as one unit. There is extensive track development in the Location and the tracks are used by the Pony Club located to the NW of the bushland. Although there has been some clearing the Location is generally in Good Condition. * *Ehrharta ciliata* and * *Briza maxima* are the most significant weeds in the bushland and along with * *Eragrostis curvula* and * *Hyperbentia hirta* on the roadsides. * *Chaenolaucium uncinatum*, * *Acacia podagracea* and * *Cytisus proliferus* were also observed as a roadside weeds. There is considerable rubbish dumping on the south eastern corner and a variety of garden escapes are persisting such as * *Nasturtium* and * *Agave*.

To the east of this Location is a considerable area of bushland, principally Jarrah and *Allocasuarina fraseriana* Open Forest and Wandoo Open Woodland.

Site 48a

r OW Flooded Gum Open Woodland over *Melaleuca preissiana* Open Forest with scattered emergent over *Agonis linearifolia* and *Astartea fascicularis* Open Scrub over exotic Grassland.

Trees: *Eucalyptus rudis*, *Melaleuca preissiana*, *Melaleuca raphiophylla*

Shrubs: *Astartea fascicularis*, *Agonis linearifolia*, *Dryandra sessilis*, *Pericalymma ellipticum*

Grasses: * *Ehrharta clypeata*, * *Briza maxima*

Herbs: *Conostylis aculeata*

CONDITION

Rating: Poor

Comments: This area has apparently been cleared in the past and subsequently grazed and invaded by weedy grasses.

Aerial Photo: Run 14 5129

Soil: grey sand over clay, F1 (King and Wells 1990)

Drainage: moderate

Aspect: flat

Site 48b

me Sh *Melaleuca raphiophylla* High Open Shrubland over *Astartea fascicularis* and *Melaleuca polygaloides* Open Heath over *Hypolaena exsulca* and *Mesomelaena tetragona* Open Sedgeland

Trees: Adjacent: *Eucalyptus rudis*

Shrubs: *Melaleuca raphiophylla*, *Astartea fascicularis*, 4* *Melaleuca polygaloides*, 4* *Hakea erinacea*, *Dryandra nives*, *Gompholobium tomentosum*, *Cassytha racemosa*

Herbs: *Cassytha racemosa*

Sedges: *Hypolaena exsulca*, 4* *Mesomelaena tetragona*, 5* *Cysthochseta erinacea*

CONDITION

Rating: Very Good

Comments: No obvious disturbance

Aerial Photo: Run 14 5129

Soil: cream sand over clay, some lateritic pebbles, F1 (King and Wells 1990)

Drainage: poor

Aspect: flat

Site 48c

s Sc *Jacksonia sternbergiana* Open Scrub over *Hakea ruscifolia* Shrubland over *Eremaea pauciflora* and *Hibbertia hypericoides* Low Open Heath

Trees: *Banksia attenuata*, *Banksia menziesii*, *Allocasuarina fraseriana*

Shrubs: *Jacksonia sternbergiana*, *Adenanthos cygnorum*, *Hakea ruscifolia*, *Eremaea pauciflora*, *Hibbertia hypericoides*, *Stirlingia latifolia*, *Conospermum stoechadis*, 4* *Baeckea camphorosmae*, *Gompholobium tomentosum*, *Acacia sessilis*

Adjacent: *Synsphaea spinulosa*, 4* *Isopogon dubius*, *Hibbertia subvaginata*

Grasses: *Amphipogon turbinatus*

Herbs: *Dasypogon bromeliifolius*, *Laxmannia squarrosa*, *Lomandra suaveolens*,
Stylidium diuroides, *Stylidium piliferum*, *Burchardia umbellata*, *Cassythasp*,
Comesperma celymigea, *Conostylis setigera*, *Conostylis aculeata*,
 Adjacent: *Johnsonia pubescens*, *Phlebocarya filifolia*

Sedges: *Mesomelaena pseudostygia*, *Schoenus* sp., *Loxocarya pubescens*

CONDITION

Rating **Good**

Comments: A few *Banksia* trees were observed on higher land to the south in the *Allocasuarina* Woodland indicating that this association may be the result of a long-standing dieback infection and repeated fires in the past. Some time has elapsed since the last fire, at least 10-15 years, as there are mature *Dryandra sessilis* and *Aderanthos cygnorum* are present in this vegetation association

Aerial Photo: Run 14 5129

Soil: cream sand over yellow sand, F1 (King and Wells 1990)

Drainage: good

Aspect: gentle, W

Site 48d

ja W Jarrah and *Allocasuarina fraseriana* Woodland over *Conospermum stoechadis* Open Heath over *Hibbertia hypericoides* Low Shrubland over *Mesomelaena pseudostygia* Sedgeland

Trees: *Allocasuarina fraseriana*, *Eucalyptus marginata*

Shrubs: *Hibbertia hypericoides*, 4* *Eaeckes camphorosmae*, *Gompholobium tomentosum*, *Bosstees eriocarpa*, *Daviesia decurrens*, *Hibbertia huegelii*, *Dryandra nives*, *Calectasia cyanea*, *Synaphea spinulosa*, *Petrophile linearis*
 Adjacent: *Hakea ruscifolia*, *Xanthorrhoea preissii*

Grasses: 4* *Neurachne aleopecuroides*

Herbs: *Burchardia umbellata*, *Conostylis setigera*, *Conostylis aculeata*, *Drosera stolonifera*, *Stylidium piliferum*, *Stylidium diuroides*, *Haemodorum laxum*, *Waitzia citrina*, *Waitzia suaveolens*, *Tricoryne tennella*, *Chamaescilla corymbosa*

Sedges: *Mesomelaena pseudostygia*, *Tetraria octandra*, *Lepidosperma* sp

CONDITION

Rating **Good**

Comments: see above

Aerial Photo: Run 14 5129

Soil: cream sand over yellow sand, F1 (King and Wells 1990)

Drainage: good

Aspect: gentle, SW

Site 48e

v LOW

Wandoo Low Open Woodland over *Hakea lissocarpa*
Shrubland over *Allocasuarina humilis* and *Leucopogon*
sprengelioides Low Open Heath *Stylidium bulbiferum*
Herbland

Trees: *Eucalyptus wandoo*

Shrubs: 4* *Hakea lissocarpa*, *Xanthorrhoea preissii*, *Allocasuarina humilis*,
Leucopogon sprengelioides, 4* *Chorizema dicksonii*, *Meisaleuca scabra*, *Petrophile*
striata, *Phyllanthus calycinus*, *Dryandra nives*, *Hakea erinacea*, *Acacia pulchella*,
4* *Verticordia pennigera*, *Fimbricaria imbricata*, 4* *Scaevola camphorosmea*, 4* *Darwinia*
thymoides ssp., 4* *Hakea stenocarpa*

Grasses: 4* *Neurochne alopecuroides*, * *Briza maxima*

Herbs: *Stylidium bulbiferum*, *Haemodorum laxum*, *Pteris occidentalis*,
Gonocarpus cordiger, *Cassytha flava*

Sedges: *Tetraria octandra*

CONDITION

Rating **Very Good**

Comments: Area to the east cleared and subject to rubbish dumping and invaded by
* *Avena sativa*, * *Pennisetum clandestinum*, * *Eragrostis curvula* and * *Trifolium*
angustifolium with scattered * *Acacia podaricifolia* and * *Cytisus proliferus*

Aerial Photo: Run

Soil: brown loam with lateritic pebbles over laterite and granite, F1 (King
and Wells 1990)

Drainage: moderate

Aspect: west

Location 49 - Creekline Connel Rd, Kelmscott. Location Map 10.

Veg: rmj OF

Cond: Poor to Very Poor

Site

rmj OF

Flooded Gum, Marri and Jarrah Open Forest over scattered
native shrubs and sedges in *Watsonia* Closed Herbland

Trees: *Eucalyptus rudis*, *Eucalyptus calophylla*, *Eucalyptus marginata*

Shrubs: *Yiminaria juncea*, 4* *Calothamnus quadrifidus*, 4* *Chorizema dicksonii*,
4* *Grevillea bipinnatifida*, *Acacia pulchella*, 4* *Hakea lissocarpa*, *Dryandra nives*,
Meisaleuca? scabra, *Hibbertia hypericoides*, *Tricoryne elsthor*, *Xanthorrhoea preissii*,
4* *Hakea stenocarpa*, 4* *Hakea erinacea*

Herbs: * *Watsonia*

Sedges: 4* *Mesomelaena tetragona*, *Tetraria octandra*