

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA B.F.A.C.O.N SITE NUMBER BE01
 DATE TRIP 25 Sept '98 RECORDERS AG, ASW
 DATE TRIP 25/8/1999 RECORDERS NG/EK/AW
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Trapline no. and location in quadrat?

see Biodiversity Site map

Road Location S. side of Vernon Road 1.8 km E. of Angle Road

Geographic Location Latitude 15:00 S Longitude 110:00 E Altitude 100,000
 GPS Map Sheet 2537 Accuracy 1:100,000

Photograph Name N. Gibson Number NE 29

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 sand Depth to Rock >50cm Colour yellow

Exposed Rock type 0 % surface cover size range

Litter 40+ % surface cover Depth (cm) 1-2cm min

Bare Ground 50 % 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

20
 Broomish
 spp
 yellow sand

Karouin
 Hall NR

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 (%)	—	—	—	—	—
DOMINANT SPECIES					
SHRUBS					
	over 2m	2m - 1.5m (<)	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM		 <i>Mallesteria (green)</i>			
COVER CLASS (%)	30-70	30-70	±	10-30	—
DOMINANT SPECIES	<i>Melaleuca</i>	<i>Allocasuarina</i>		<i>Drummondia</i>	
	<i>Acacia</i>	<i>Mallesteria</i>		<i>Grevillea</i>	
GRASSES					
	HERBS		SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	< 2	< 2	—	—	—
DOMINANT SPECIES					

4. VEGETATION CONDITION

(1-2)

(of 6)

Comments

only 1 weed plant

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No BE 01

Date 25 Sept. 98

NG, ASW 25/4/99

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
				<i>invegiata</i> ✓							
				<i>Hakea</i> (needle) = BE -) ADJ				<i>Stylidium limbatum</i> ✓			
				<i>Acacia hamileta</i> ✓ ADJ				<i>Cassytha (glabella)</i> ✓			
				<i>Allocasuarina</i> ✓ ADJ				<i>Hypoch. glabra</i> (1) ✓			
MALLEES											
				GRASSES							
				<i>Amphipogon strictus</i> ✓							
SHRUBS											
<i>Melale. uncin.</i> ✓								SEDGES			
<i>Melale. cordata</i> ✓								25/4/99			
<i>Acacia</i> ~~arum.~~ <i>Yorkraheensis</i> ssp <i>acuta</i> ✓											
<i>Micromyrtus</i> ~~racemosa~~ <i>obovata</i> ✓				HERBS (usp)							
<i>Halloskuma</i> (gran) ✓											
<i>Melaleucum</i> (blue) ✓				<i>waitzia acuminata</i> 25/4							
<i>Micromyrtus</i> = <i>Thyptocoma</i> <i>hookii</i> (usp) ✓											
<i>Baeckea</i> ~~racemosa~~ <i>obovata</i> ✓				<i>Lawrencea davenporti</i> ✓							
<i>Chamaeleucum</i> <i>parviflorum</i> ssp <i>hookii</i> ✓				<i>Podothera angustifolia</i> ✓							
<i>Drummondia</i> <i>hassellii</i> ✓				<i>Blannospora drumm.</i> ✓							
<i>Acacia longispinosa</i> ✓				<i>Podothera gnaph</i> 25/4 ✓							
<i>Acacia</i> (long, terete) ✓											
<i>Grevillea</i> (blue, long) ✓											

1 only fruit *Lobeliastrum* ssp *obliquistigma* ✓

Acacia sp. - like *acum* but no margin hairs
could not reliably match. ✓

Mallee
(incl. Yarragum)
over Tammin +
on gravel

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BEACON SITE NUMBER BE 02

DATE TRIP 25 Sept '98 RECORDERS NG, ASLW

DATE TRIP 25/8/1999 RECORDERS GK/NG/AW

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Tropline Hs and location in quadrat?

see Biodiversity Site maps

Road Location S. side of Vernon Proof Fence Road ~ 3 km E. of Angle Road

Geographic Location	Latitude	S Longitude	E Altitude
<u>13.30</u>	<u>GPS</u>	<u>Accuracy</u>	
	<u>Map Sheet 2537</u>	<u>(Wialki 1:100,000)</u>	

Photograph	Name	Number
	<u>N. Gibson</u>	<u>NG 28</u>

Topographic Position	(Circle the correct response)
<u>Upland</u> ?	<u>Lower slope</u>
<u>Upper slope</u>	<u>Valley</u>
<u>Midslope</u>	<u>Washline</u>

2. SITE DATA Circle the correct response

Slope	Aspect
<u>flat</u> ^{or v. r. y} gentle steep	N NE E SE S SW W NW

Surface Soil	Depth to Rock	Colour
<u>clay</u>	<u>> 50cm?</u>	<u>red</u>

Exposed Rock	type	% surface cover	size range
<u>gravel</u>	<u>> 50%</u>	<u>2-30 mm mainly</u>	

Litter	Depth (cm)
<u>> 80 % surface cover</u>	

Bare Ground	% surface cover
<u>< 10</u>	<u>(plus litter)</u>

lichen - encrusted

Karouin
Hall NR

gravelly with
depth

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 (%)	—	—	—	—	10-30
DOMINANT SPECIES					Euc. 10x.
					Euc.
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	30-70	10-30	< 2	—	—
DOMINANT SPECIES	Alloc. acutiv.	Mel. ? steedin.	Grevillea pavid.		
	Mel. ? uncin.		Celestium		
	Alloc. camp.				
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	< 2	< 2	—	?	
DOMINANT SPECIES	Amphip. stricki			Schoenus	
				nana	

4. VEGETATION CONDITION

(1-12)

(0+6)

Comments

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No BF 02

Date 25 Sept 98

NG, APW 25/8/99

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]

#25

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

Jam

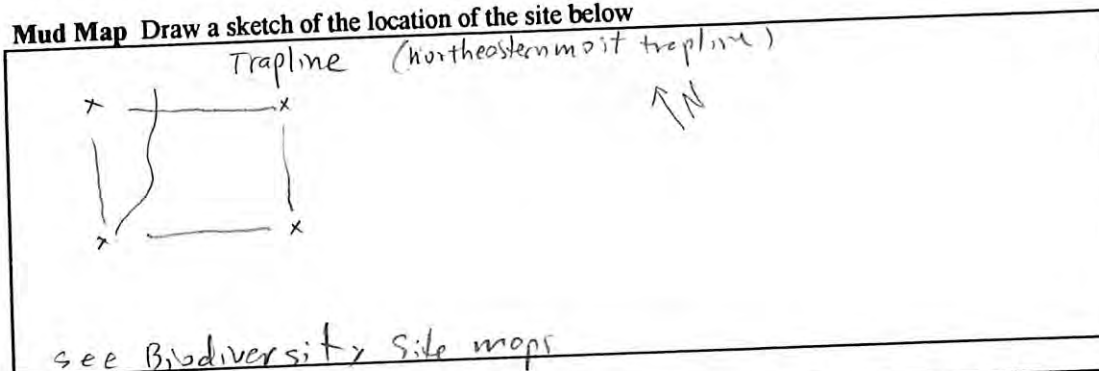
BUSHLAND AREA BEACONSITE NUMBER BE 03(with Calycophloeos)
at base of graniteDATE TRIP 26 Sept '98RECORDERS NG, ASWDATE TRIP 25-8-99RECORDERS NG/GK/AW

DATE TRIP _____

RECORDERS _____

1. LOCATION of the QUADRAT

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



~300m
Road Location W. of junction of Connell and Mt. Jackson (Jouerdine) roads,
then N. to granite and around base to SE corner

Geographic Location	Latitude	S Longitude	E Altitude
11:30	GPS	Accuracy	
	Map Sheet 2536	(Barbalin 1:100,000)	

Jouerdine
NR

Photograph	Name	Number
	N. Gibson	NG-34

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

2. SITE DATA Circle the correct response

Slope	Aspect
flat ^{or veg.} gentle steep	N NE E SE S SW W NW

Surface Soil	Depth to Rock	Colour
gravelly loam	> 50cm	dark brown (moist)

Exposed Rock	type	% surface cover	size range
	0		

Litter	% surface cover	Depth (cm)
70??	leaves, stems and twigs	2-7 10cm?

Bare Ground	% surface cover
0	

note ~2% bare ground along trap fence line

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%

LIFE FORM	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
				2-10	
COVER CLASS (%)				Euc. (not loc.)	? hypochlamidia
DOMINANT SPECIES				(bark rough/stripy)	0.5-3m up)
LIFE FORM	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
COVER CLASS (%)	30-70				
DOMINANT SPECIES	Acacia acm- (Calyca pepylus)				Solanum lasioph Solanum
LIFE FORM	GRASSES	HERBS	SEDGES	over 0.5m	
				under 0.5m	
			Tussock Grass!		
COVER CLASS (%)	>70	>70	2-10		
DOMINANT SPECIES	Mixed (native & weedy)	Mixed Asteraceae	Spartochloa		

4. VEGETATION CONDITION

3

(of 6)

Comments

Much weediness; otherwise okay

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No BE 03

Date 26 Sept 98

25/8/99

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

flowering

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

[illegible]

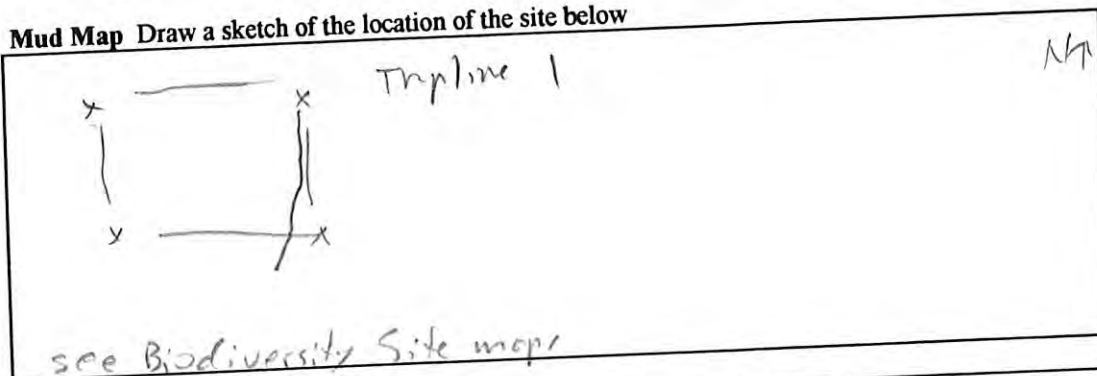
BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BERKON SITE NUMBER BIE 04
 DATE TRIP 26 Sept. 98 RECORDERS NG, ASW
 DATE TRIP 25/8/1999 RECORDERS NG/GK/AW
 DATE TRIP _____ RECORDERS _____

York Gum/
 Euc.
 Jam

1. LOCATION of the QUADRAT

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



Road Location W. side of Cunderdin Rd 6.9 Km N. of Walton Rd

Geographic Location	Latitude GPS	S Longitude Accuracy	E Altitude
09:30	Map Sheet 2536	(Berkon 1:100,000)	

Photograph	Name	Number
	NG Gibson	NG 33

Topographic Position	(Circle the correct response)
Upland	Lower slope
Upper slope	Valley
<u>Midslope?</u>	Washline

2. SITE DATA Circle the correct response

Slope	Aspect
<u>flat</u> gentle steep	N NE E SE S SW W NW

Surface Soil	Depth to Rock	Colour
clay loam	> 50cm	red (dry)

Exposed Rock	type	% surface cover	size range
	0		

Litter	% surface cover	Depth (cm)
~ 20		~ 3 to > 5cm

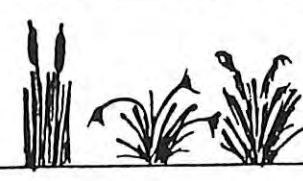
Bare Ground	% surface cover
40.?	mostly eucalypt lvs, branchlets, branches and bark
	mostly lichen-covered

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%

LIFE FORM	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
					
COVER CLASS (%)	—	—	< 2	10-30	—
DOMINANT SPECIES			Sent spic.	Euc. loxoph- Euc. (los. dull) (bl-grey)	(smooth to bark) (rough to bark) - 6m
LIFE FORM	SHRUBS		SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	(->) 1-0.5m	under 0.5m
					
COVER CLASS (%)	30-70	—	< 2	2-10	—
DOMINANT SPECIES	Acacia acum.		Cassia nem.	Olearia Fremophila	
LIFE FORM	GRASSES	HERBS	SEDGES	over 0.5m	
					
COVER CLASS (%)	2-10	10-30	—	—	
DOMINANT SPECIES	Amph sp. strid	Mixed Antecow			

4. VEGETATION CONDITION

2

(of 6)

Comments

Shiny Wedgebill

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

5. SPECIES PRESCENCE

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

SITE No BE 041

Date 26 Sept 98

NG. ARW 25/8/99

Date 26 Sept 1999 NE, ALW 25/8/99	No	FI	ID	Flowering time: Nov. 11 spec.	No	FI	ID	Column 3 Column 4 identification check	No	FI	ID	HERBS (cont.)	No	FI	ID	
TREES				25/8 SHRUBS (cont.)												
Santalum spicatum				Chthonoceph pseud								Borhya & constricta				
				Hyalosperm demiss								Plantago aff. hisp.				
				Actinobole uligin								Thysanotus specii				
				Podolepis lessonii								Thysanotus 2 (not dimorpha)				
				Isotriopsis gramin								Erodium cymosum				
				Brachy. beridif								Levenhookia leptantha				
				Brachy. laevis								Goodenia occidentalis				
MALLEES				Vellera cynopotam								Crassula calceata				
Euc. loxophleba (smooth green to base)				GRASSES								Trichym. ornata				
Euc. troch. = BETH				Amphipogon strict								Hydrocot. medicag.				
SHRUBS kochii sp. plenissima				Austrostipa trichophylla								Crassula sp.				
				Austrodanthonia								Wahlenbergia				
												? Lobelia				
												SEDGES				
												Brachycome perpusilla				
												Schoenus nanus				
												25/8/1999				
												Podolepis lepperi				
												Arctotheca calendula				
												HERBS (cont.)				
												Crassula pedicell.				
												Pavani glach. areolar				
												Calandrinia (narrow! med ppl)				
												Within 1m of plot				
												Matrella? carn. 2 sum				
												Gilbertia tenuifolia				
												Trachymene - glab stems				
												hairy fruit				
	</															

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BRACON SITE NUMBER BE 05

Salmon Gum

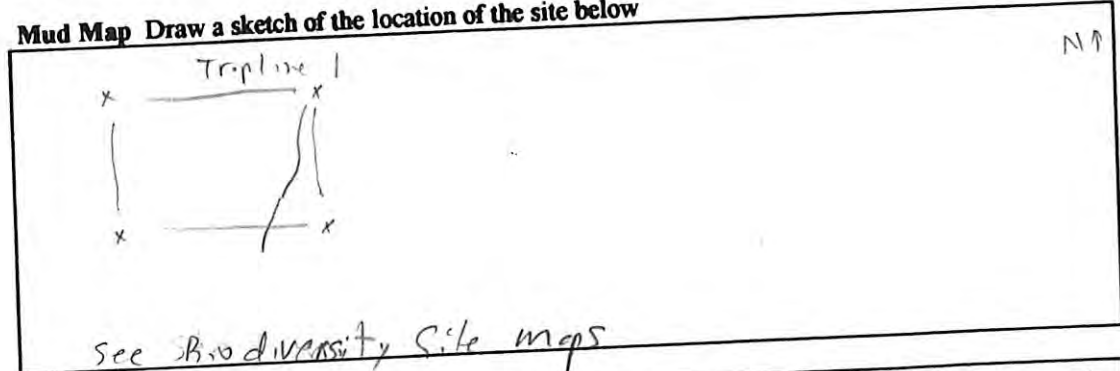
DATE TRIP 26 Sept '98 RECORDERS NG, ARW

DATE TRIP 25/8/99 RECORDERS Ng/ARW/gk

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location W. side of Cunderdin Rd 3.7 Km N. of Walton Rd.

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude
09:00	2536	(Barbain 1:100,000)	

Photograph Name N. Gibson Number NG 32

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 clay loam Depth to Rock > 50cm Colour red (dry)

Exposed Rock type 0 % surface cover becomes hard at depth in NE corner size range

Litter > 70 % surface cover Depth (cm) mainly > 50cm

Bare Ground < 5 % surface cover

2.9
3
3.2

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%

LIFE FORM	TREES			MALLEES	
	over 15m (-<)	5-15m	under 5m	over 8m	under 8m
					
	10-30	—	—	—	—
	Euc. Salm.				
LIFE FORM	SHRUBS				SHRUBS
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m (-<)	under 0.5m
					
	—	—	30-70	2-10	10-30
			Westringia	Olearia	Atriplex? paludosa
			Scaevola	Muellia	
			Frem. ionian.		
LIFE FORM	GRASSES	HERBS	SEDGES	over 0.5m	
					under 0.5m
					
	—	—	—	—	—

4. VEGETATION CONDITION

Comments

Some weeds, especially Brassica tournefortii

(of 6)

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

5. SPECIES PRESCENCE

SITE No B7 05

Date 26 Sept '98

NL Asw 25/8/99

Record on Sheet

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

~~Add Sheet 2 please~~

Date 25/8/99				Column 3 flowering time				Column 4 identification check				HERBS (cont.)			
TREES				SHRUBS (cont.)				No FI ID				No FI ID			
Euc. salmonophl.												25/8/1999			
												Hypochaeris glabra ✓			
												Stenopetalum lineare ✓			
												Senecio glossanthus ✓			
MALLEES				GRASSES											
				Austrostipa elegantissima ✓				✓							
				Bromus rubens ✓				✓							
SHRUBS				Austrostipa trichophylla ✓				✓ vsp				SEDGES			
Westringia caphalantha ✓				Hordeum ✓				✓							
Eremophila nionantha ✓															
Atriplex (patulosa) ✓				25/8											
Oleena navelleri ✓				HERBS											
Mairea 'wenty' ✓				Euchita scleroladenodes ✓											
Mairea tricaule ✓				✓				Ptilotus pholasaricus ✓				vsp			
Mairea 'georgei' ✓				✓											
Scleroladen dierantha ✓				✓				Brassica tournefort. ✓				vsp			
Enchylaena tomentosa ✓				✓				Stenopetalum lineare ✓				vsp			
Rhagodia drummondii ✓								Crassula calceolata ✓				calyphata ✓			
Threllkeldia diffusa ✓				✓				Celandrinia (normal, med. fl.)							
Eremophila decipiens ✓								Waltzia acuminata ✓							
								Zygophyllum ✓							

Dy m s
York Gum
- rhel. laterif.
flat

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BEACON

SITE NUMBER BE 06

DATE TRIP 25 Sept. 98

RECORDERS NG, ASW

DATE TRIP 26/8/1999

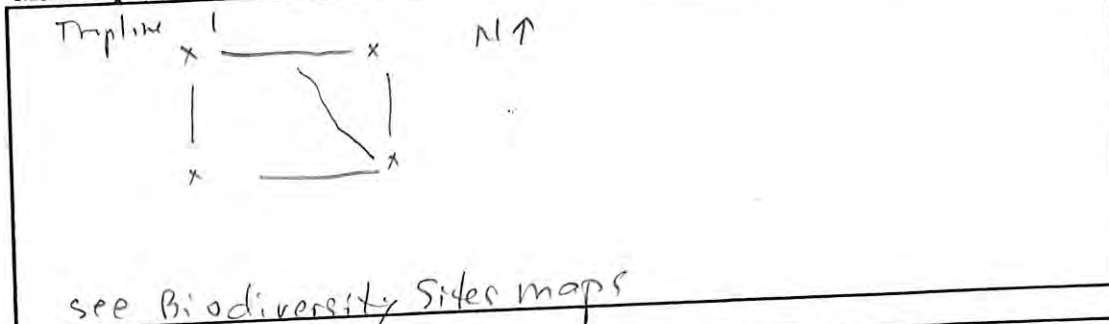
RECORDERS NG/EK/AN

DATE TRIP _____

RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location N side of Ackw Rd 0.8 km E of Beacon-Bencubbin Rd.

Geographic Location	Latitude	S Longitude	E Altitude
<u>18° 00'</u>	<u>GPS</u>	<u>Accuracy</u>	
	<u>Map Sheet 2436</u>	<u>(Bencubbin 1:100,000)</u>	

Photograph	Name	Number	
	<u>N. Gibson</u>	<u>MG 31</u>	<u>(Flash ; too dark - too late in day)</u>

Topographic Position	(Circle the correct response)
<u>Upland</u>	<u>Lower slope</u>
<u>Upper slope</u>	<u>Valley bottom</u>
<u>Midslope</u>	<u>Washline</u>

2. SITE DATA Circle the correct response

Slope	Aspect
<u>flat</u> gentle steep	<u>N NE E SE S SW W NW</u>

Surface Soil	Depth to Rock	Colour
<u>loamy clay / clay</u> ^{30cm}	<u>> 50cm</u>	<u>brown / pale cream</u>

Exposed Rock	type	% surface cover	size range
	<u>0</u>		

Litter	Depth (cm)
<u>~ 30% surface cover</u>	
<u>including fallen tree trunk and branches (dead & w/o leaves)</u>	

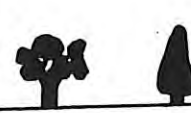
Bare Ground
<u>40-50 % surface cover</u>

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

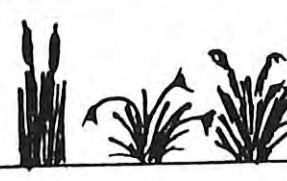
3. VEGETATION STRUCTURE AND COVER

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

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

	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	—	—	2-10	—	—
DOMINANT SPECIES			Euc. loxoph.		

	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	—	—	—	—	< 2
DOMINANT SPECIES					Rhas. drum.
					Enchyl. tom.

	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
	LIFE FORM				
COVER CLASS (%)	—	30-70	—	—	—
DOMINANT SPECIES		Resem. nodifl.			

4. VEGETATION CONDITION

5-6

(of 6)

Comments

salt affected:
 1 dead large ? Melaleuca lateriflora
 1 dead, fallen Euc. loxophleba
 1 half dead "

there were big floods which left standing water for months in 1989, which wiped out much of what was previously left (but there was already salt-affected veg.) — local farmer pers. comm.

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No BE06

Date 25 Sept '98

NG, ASW 26/8/1999

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

inundated in
summer 1998/99

Date 25 Sept 98 NG, ASW 26/8/1999				• Column 3 flowering time- tick if special				• Column 4 identification check				No	FI	ID					
TREES				No	FI	ID	SHRUBS (cont.)				No	FI	ID	HERBS (cont.)			No	FI	ID
Euc. loxophleb. ^{miss} ✓ (the only one around that is still even partly alive)																			
MALLEES																			
							GRASSES												
SHRUBS														SEDGES					
Rhagodia drumm (mostly dead) ✓																			
Eucalyptus tom. (one) ✓																			
Melaleuca lateriflora ADJ							ssp. fastigiata ✓												
" uncinata ADJ							HERBS												
" pauperiflora ADJ							Mesembry. nodifl. ✓												
" ADJ																			

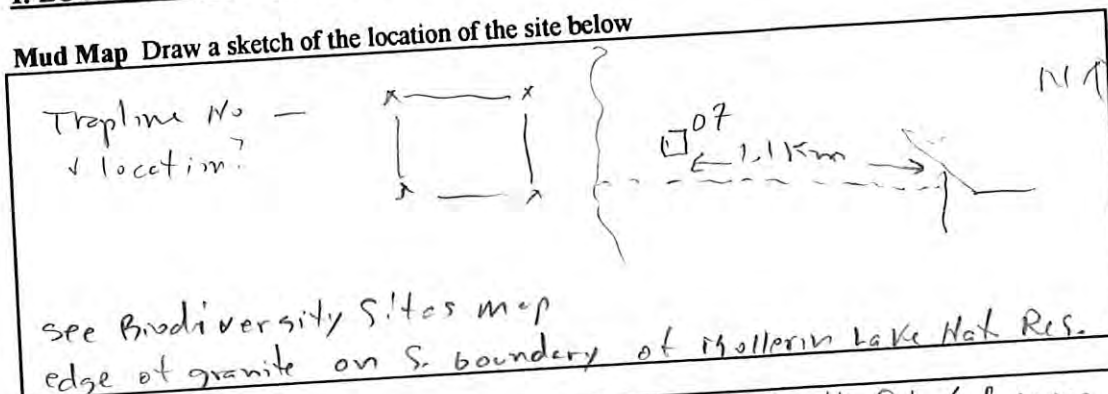
BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BEACON SITE NUMBER BE 07
 DATE TRIP 24 Sept 97 RECORDERS NG, ASW
 DATE TRIP 26/8/1999 RECORDERS NG/AW/GK
 DATE TRIP _____ RECORDERS _____

#164
 Tammin
 + edge of
 fringe of
 granite

1. LOCATION of the QUADRAT

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



Road Location ~ 1.1 km W. of Mollerin Rock South Rd. (driving distance)

Geographic Location	Latitude	S Longitude	E Altitude
13:30	GPS	Accuracy	
	Map Sheet 2436	(Bencubbin 1:100,000)	

Lake
 Mollerin

Photograph	Name	Number
	N. Gibson	NG-23

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 loam Depth to Rock 0 - 50 cm Colour or (moist)

Exposed Rock type granite % surface cover < 2% size range 3-20 mm
 outcrop rocks: 41%

Litter ~ 30-40% surface cover Depth (cm) ~ 3-10 (min)

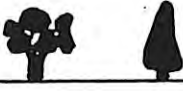
Bare Ground 20-30 % surface cover
 mostly lichen encrusted

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

3. VEGETATION STRUCTURE AND COVER

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

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

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

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	30-70	2-10			< 2
DOMINANT SPECIES	Allocas. Camp Melaleuca lat. ! Basselia	Allocas (needle)			Calytrix

GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		10-30			
DOMINANT SPECIES		Brachycome Borja Gusdenia? beard.			

4. VEGETATION CONDITION

2

(of 6)

Comments

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No BE 07

Date 24 Sep '98

NG, APW 26/8/99

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

Answering
Drosera (sun-climber; the same?)

TREES				SHRUBS (cont.)				HERBS (cont.)			
No	FI	ID		No	FI	ID		No	FI	ID	
26/9			<i>Centropus humillima</i>				HERBS (cont.)				<i>Blennospora drumm.</i>
26/9			<i>Cyanicula deformis</i>								<i>Arctotheca cel.</i>
26/9			<i>Thys speckii</i>				<i>Isotoma hypocyrtiformis</i>				<i>Hypochaeris glabra</i>
26/9			" mangalis								<i>Levenhookia ("b. fl.") leptantha</i>
			<i>Borja stricta</i> - coll	26/8			(in full fl) <i>sphaerocephala</i> (usp)				<i>Verbeia cymatophora</i>
			" <i>constricta</i>								<i>Volterria Goodenica</i>
			MALLEES								<i>Goodenia</i> ~~li~~ <i>herard.</i>
							GRASSES				<i>Trachym. cyanop.</i>
							<i>Austrostipa merulipine</i>				<i>Drosera climbing (rub.)</i> - <i>magrathii</i>
							small ppl. grass <i>Vulpia myuros</i>				<i>Drosera glanduligera</i>
							<i>Austrostipa eleg.</i>	X			<i>Triglochin ciliatulum</i>
			SHRUBS								<i>Borja constricta</i> 26/8
			<i>Mel. uncinata</i>								<i>Trachymene ovata</i>
			<i>Allocas. camp.</i>								SEDGES
			<i>Acacia</i> (small) <i>multispicata</i>								<i>Schoenus nann.</i>
			<i>Phoradendron ? recurva</i> (usp)								<i>Desmodium ? asper</i>
			<i>Mallesteron tuberculatus</i>				HERBS				HERBS (cont.)
			<i>Calytrix depressa</i> (usp)								<i>Crucula pedicillata</i>
			<i>Acacia sessilisprica</i>				<i>A</i>				<i>Gonocarpus paniculatus nodulosus</i>
							<i>Chthonocarpus pseudovau</i>				<i>Hydrocotyle (small) pulifera</i>
							<i>Podolepis canescens</i>				<i>Centropus ? aristata</i>
							<i>Lamprocarpha davenportii</i>				<i>Lobelia</i> (2 spp.?)
			ADJ				<i>Podoth. angust.</i>				<i>Cyanicula amplexans</i> (usp)
			<i>Mel. ? steedman</i> ADJ				<i>Podoth. ? graphaloides</i> (yes)				<i>Microtit = Pradophyllum macrostachya</i> (usp)
			<i>Verticordia (yl.)</i> ADJ				<i>Brachycoma ? pusilla</i> (usp)				<i>Caladenia (dead)</i>
			<i>chrysantha</i>				<i>Waitzia scum.</i>				<i>Caladenia ? roei</i> ADJ
			<i>Hebebractea cf. vagin.</i>				<i>Schoenus cassin.</i>				<i>Caladenia dimidia</i> APJ
			<i>glomerata</i>				<i>Ceratophyllum mbin.</i>				
							<i>Quinella unil.</i>				

Hyalosperma demissum
- Psanthus microphylla 24/9

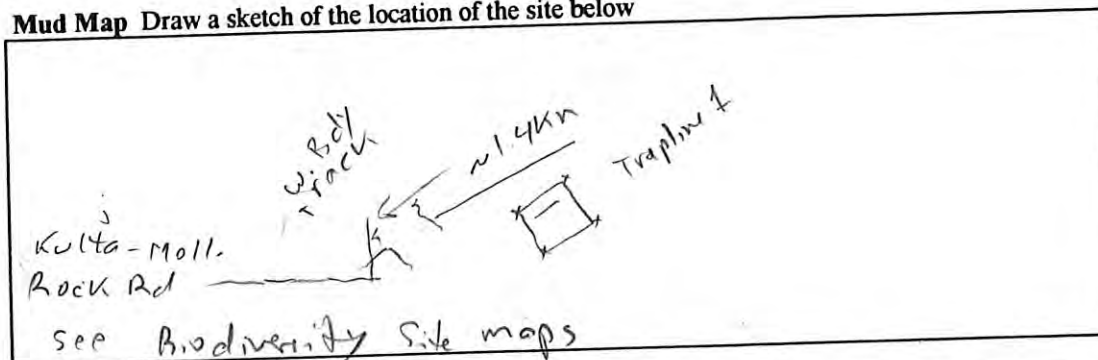
Gimlet

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BEACON SITE NUMBER BE 08
 DATE TRIP 24 Sept '98 RECORDERS NG, ASW
 DATE TRIP 26/8/99 RECORDERS NG/AK/AW
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location ~ 1.4 km NE of Kulja-Mollers Beck rd (w. Bdy of reserve) (driving distance)

Geographic Location Latitude 11.30 S Longitude 116.22 E Altitude _____
 GPS Accuracy _____
 Map Sheet 2436 (Bancroft 1:100,000)

Photograph Name N. Gibson Number NG 22

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

2. SITE DATA Circle the correct response

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

Surface Soil clay / hard set clay **Depth to Rock** 10cm **Colour** red / red

Exposed Rock type 0 % surface cover _____ size range _____

Litter ~ 30% % surface cover _____ Depth (cm) _____

Bare Ground ~ 30 % surface cover) mainly lichen-encrusted (3 spp?)

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%

LIFE FORM	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
COVER CLASS (%)	—	10-30	—	—	—
DOMINANT SPECIES		Euc. salubris			
LIFE FORM	SHRUBS			SHRUBS	
	over 2m	(->) 2m - 1.5m	1.5 - 1m	1-0.5m	(-<) under 0.5m
COVER CLASS (%)	—	10-30	<2	10-30	2-10
DOMINANT SPECIES	narrow-leaf jam →	Erem. opposit. Acacia (lign. nervosa) Acacia? sclerosp. Acacia? tetrag.	Acacia? tetrag.	Acacia prin.	Olearia muelleri Ptilotus obovatus
LIFE FORM	GRASSES	HERBS	SEDGES	over 0.5m	
				under 0.5m	
COVER CLASS (%)	<2%	10-30	—	—	
DOMINANT SPECIES	Austrostylin eleg.	Cephalopterum drum.			
		(+ mixed)			

4. VEGETATION CONDITION

2

(of 6)

Comments

1 dead shrub > 2m tall (or Acacia?)
and partially (to heavily) dead shrubs

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No BE 08

Date 24 Sept '98

NE, ASW 26/8/99

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

Arctotheca col. ✓

Crassula pedicellosa ✓

Goodenia beryardiana ✓

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
26/8/99 Euc. salubris ✓	✓	26/8		HERBS (cont.)				Goodenia (small, labrous?) ✓	✓		
Velleia cynopos ✓	✓	1		Hypoxis (tan) glabella glabella (usp) ✓				Crassula calyptra ✓	✓		
Ptilotus gaudichaudiana ✓	✓	✓		Daucus glochidiatus ✓				Plantago aff hispidula ✓	✓		
Calotis hispidula ✓	✓	✓						Hydrocot. medicag. rugulosa ✓	✓		
Chthonocephalus pseudovax ✓								? Velleia cynopotamica ✓	✓		
Comesperma integrum ✓								Ptilotus (sm) gaudichaudii ✓	✓		
MALLEES								Arthropod. capillaris preissii vsp ✓	✓		
Maireana (trichoptera) ✓				Elymus scabra ✓				Arthropod. preissii carvipes ✓ 26/8	✓		
Thesiodora ✓				GRASSES				Hydrocotyle diantha pilifera vsp glabrata ✓	✓		
				Austrostipa elegant ✓				Maireana (young fruit) ✓	✓		
				Pentstemonis aroides ✓				Eriodum cyanom ✓	✓		
				Austroanthus ✓				Triglochin calcitrapum incurvum vsp ✓	✓		
SHRUBS				Vulpia myuros bromioides ✓				Celandrinia (differt) ✓	✓		
anthochaera ✓				Bromul ruben ✓				SEDGES (no sedge) ✓	✓		
acuminata (narrow lvs) ✓				? Microtana (Monacanthus paradoxus) ✓ 26/8				Colonchida (met. fr. etc.) ✓	✓		
Olearia mulleri ✓	✓			Bromul diandrus ✓				Hydrocotyle pilifera ✓	✓		
Acacia aff. acum. (narrow lf) ✓	✓			Vulpia myuros ✓							
Acacia ? ectoparasitica (hom. lvs) ✓	✓			26/8				Ptiloti. spathul. ✓	✓		
Acacia ? tetragonophylla (upright) ✓ (usp)	✓			HERBS sili				Stellaria filifolia ✓	✓		
Acacia ? tetragonophylla (acutifolia) ✓	✓			mangrovia ✓ 26/8				? Isotoma ✓	✓		
Eremophila spp. angust ✓	✓			Thysanotus 2 sp. ✓				Caladenia valgata ✓	✓		
Rhesodia ? drum. (= BE 14) ✓	✓			stenopetalum (robustum) ✓				Pterostylis callispathula ✓ (usp)	✓		
Maireana (tall, brack, spindly, green) ✓	✓			Daucus glochidiatus ✓				Podolepis (garden) tepperi ✓ 26/8	✓		
				Hyalospermum demissum zachau ✓				Podolepis ruscifolia ✓	✓		
				Hyalospermum demissum ✓							
Grevillea acutaria ✓	✓			Trachym. arneta ✓				Hyalosperma glut. glut. ✓	✓		
	✓			Trachym. cyanopetala ✓				Euryphyllum ram. ram. ✓	✓		
	✓			Phyllangium paradox ✓				Pogonolepis stricta ✓	✓		
Ptilotus obovatus ✓	✓			Actinobole uliginosa ✓				Lawrenciella davenp ✓	✓		
Acacia tetragonophylla (adj) ✓ 26/8	✓			Rhodanthe laevis ✓				Schoenia cassimiae ✓	✓		
				Brachycome perpusilla ✓				Blennospora drummondii ✓	✓		
				Cephalopetalum drum ✓				Waitzia acuminata ✓	✓		

Wahlenbergia (2 spp.) or preissii ✓
Crassula pedicellosa ✓

Podothea ? angustif. ✓
gnaphaloides ✓

Eremophyllum ram. ram. ✓

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BEACON SITE NUMBER BE 09

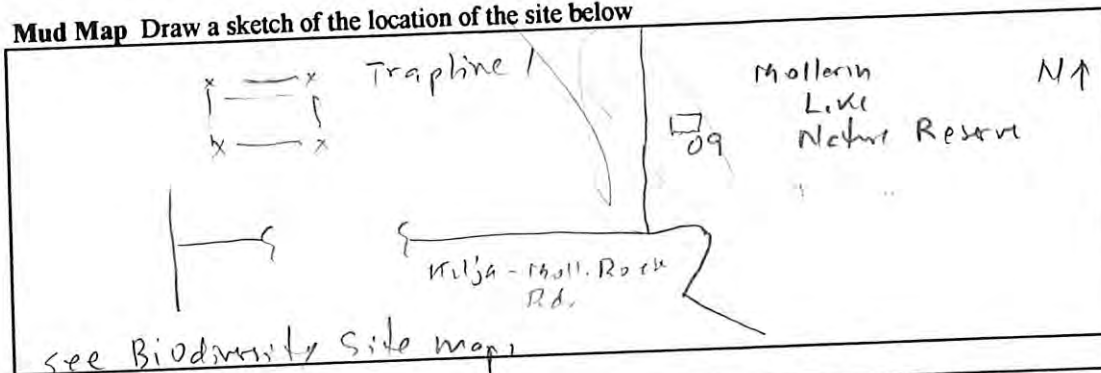
DATE TRIP 23 Sept '98 RECORDERS NG, APL

DATE TRIP 26/8/1999 RECORDERS NG/GK/AW

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location E. of Reserve's W. boundary track, 450 N of Kulja - Mollerin Road

Geographic Location	Latitude	S Longitude	E Altitude
<u>16° 30'</u>	<u>GPS TR-EN XL</u>	<u>Accuracy</u>	<u>see BE09 - Fauna</u>
	<u>Map Sheet 2436</u>	<u>(Bencubbin 1:100,000)</u>	

Photograph Name N. Gibson Number NG 18

Topographic Position (Circle the correct response)

<u>Upland</u>	Lower slope
<u>Upper slope</u>	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 sand Depth to Rock > 50cm Colour yellow (m,ist)

Exposed Rock type 0 % surface cover _____ size range <

Litter > 80% % surface cover mainly small branches & needles Depth (cm) < 5cm

Bare Ground < 20 % surface cover _____

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.

		TREES			MALLEES	
		over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM						
COVER CLASS (%)		—	—	—	—	20x20:
DOMINANT SPECIES						Euc. ? eryth.

		SHRUBS			SHRUBS	
		over 2m	2m - 1.5m	1.5 - 1m	1-0.5m (<2)	under 0.5m
LIFE FORM						
COVER CLASS (%)		> 70%	< 2	10-30	30-70	< 1
DOMINANT SPECIES		Allocas. acutv. Acacia sp.	Acacia ? scleri	? Melaleuca ? Beyeria	Habb. ? Eriostemon	? Psammonephrolepis ? Coriaria (? Grevia)

		GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM						
COVER CLASS (%)		—	< 2	—		< 2
DOMINANT SPECIES			Trachym. cyn.			Schoenus Nardus

4. VEGETATION CONDITION

1

(of 6)

Comments

No sign of disturbance ; very few weeds

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No BIE 09

Date 23 Sept '98

NG, ASL 26/8/1999

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

is flowering

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

[illegible]

ADD Euc sp. 2020 from coversheet.
no collection seen

where it
springs sheet #10

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BB ACORN SITE NUMBER BE 10

DATE TRIP 24 Sept '98 RECORDERS NG, ASW

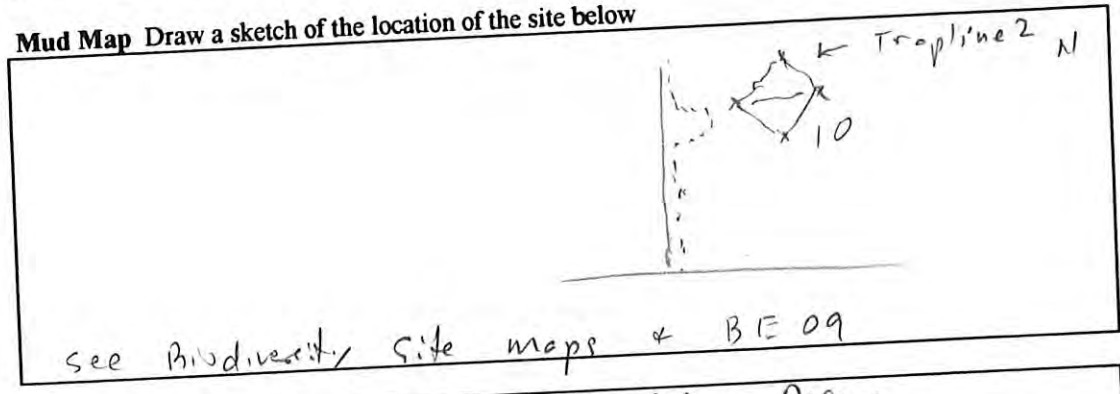
DATE TRIP 26/8/1999 RECORDERS NG/GK/AW

DATE TRIP _____ RECORDERS _____

Melaleuca
Acacia
near
salt 'lake'
Sapphire

1. LOCATION of the QUADRAT

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



Road Location w. side Lake Mollen Native Reserve

see
BE 09

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude
08:00	2436	(Bancubbin 1:100,000)	

Photograph Name N. Gibson Number NG19

Topographic Position	(Circle the correct response)
Upland	Lower slope
Upper slope	Valley
Midslope	Washline
	edge of
	salt lake

2. SITE DATA Circle the correct response

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

Surface Soil Brown sandy loam Depth to Rock _____ Colour _____

over red clay at 20cm

Exposed Rock type 0 % surface cover _____ size range _____

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

Bare Ground ~30 % 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%
-------------	-------	--------	--------	----------

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

LIFE FORM	SHRUBS			SHRUBS	
	(4 <) over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
					
COVER CLASS (%)	10-30	10-30	2-10	—	10-30
DOMINANT SPECIES	<i>Acacia (dead)</i> <i>Mel. latifolia</i>	<i>Acacia</i>	<i>Eucaly. tom</i> <i>?Dleeria</i>		<i>Rhusv. dum</i> <i>'green' shrub 4 wh petals</i> <i>?Pimelea</i>

LIFE FORM	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
					
COVER CLASS (%)	2-10 (>?)	30-70 mixed	—	—	—
DOMINANT SPECIES	<i>Austrostyph. eleg.</i>	<i>Crassula</i> <i>Tristachya (hot stroke)</i> <i>Brachycom</i>			

Angianthe tom, *?Calandrinia* (petall sm, wh) (or *Gunnipia*?)
3? (of 6)

4. VEGETATION CONDITION

Comments

One dead *Acacia* (40-50m tall) inside (and near plot, especially W., toward samphire plot) (seasonal lake?)

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

5. SPECIES PRESCENCE

SITE No BZID

Date 24 Sept 98

NG, AL 26/8/99

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

TREES

No FI ID

MALLEES

SHRUBS

SHRUBS (cont.)

GRASSES

(Molena narrow leaved variety)

Austrostipa elegant.

Vulpia myuros

Bromus medietensis

Aira corymb.

Pentstemon aizoides

HERBS

Trachymene (large) ? cyanophylla

Parietaria debilis cardiostegia

Crassula colorata

Crassula loma exserta

Unspersum picroides

Hydroaspis (sub. fistulata)

Podolepis capillaris

Senecio latus sub dissectus

Senecio glassauthus

Calandrinia brevifolia

HERBS (cont.)

Chthonocenthorus pseudovax

Brachycome herifolia

Angianthus tomen - green angustifolia

Calandrinia (fl. sm. white) quadrifida

Levenhookia leptantha

Trichoglossin (minutissima)

Calandrinia (minutissima)

Triglochin (minutissima)

Triglochin (minutissima)

Triglochin (minutissima)

Triglochin (minutissima)

Triglochin (minutissima)

Triglochin (minutissima)

Triglochin (minutissima)

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Triglochin (minutissima)

Triglochin (minutissima)

Triglochin (minutissima)

Triglochin (minutissima)

Triglochin (minutissima)

Triglochin (minutissima)

sheet 3?

#16
Samphire
(L Moore)

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BEACON SITE NUMBER BE11
 DATE TRIP 24 Sept 98 RECORDERS NG, ASW
 DATE TRIP 26/8/1999 RECORDERS NG/GK/AW
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Treeline No. — & location in quadrat?
 Locky Moor
 Mollerin Nth Rd. Samphire Rd.
 see Biodiversity Sites map

Road Location NE of intersection of Mollerin Nth and Samphire Roads

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude
16:30	2337	(Kalamie 1:100,000)	

Photograph	Name	Number
	N Gibson	NG 252

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

edge of salt lake

2. SITE DATA Circle the correct response

Slope	Aspect
<u>flat</u> gentle steep	N NE E SE S SW <u>W</u> NW

Surface Soil	Depth to Rock	Colour
<u>clay</u> / <u>hard pan</u> / <u>clay</u>		<u>dr-red</u> / mottled (mottled)

Exposed Rock	type	% surface cover	size range
	0		

Litter	% surface cover	Depth (cm)
2-10		

Bare Ground	% surface cover
~30	

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 (%)	—	—	—	—	—
DOMINANT SPECIES					
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	—	—	—	—	~30
DOMINANT SPECIES					Halosarc. halocnem.
GRASSES		HERBS		SEDGES	
	over 0.5m			under 0.5m	
LIFE FORM					
COVER CLASS (%)	30-70	2-10		—	
DOMINANT SPECIES	Bromus	Senecio laut.		—	
		Brachycom		—	

4. VEGETATION CONDITION

Comments

very weedy

4

(of 6)

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No BE 11

Date 24 Sept. 98

NG, ASL 26/8/99

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
				HERBS (cont.)							
				✓ Triglochin minutissimum	26/8	vsp		✓ Brachycome cillaris	(usp)		
				✓ Centropogon				✓ Brachycom iberidifolia	(usp)		
				✓ Triglochin calcitrapum incurvum							
								✓ Stenopetalum salicifol			
								✓ Stenopetalum pedicel.	(usp)		
MALLEES								✓ Erodium (pink fl.) - aureum			
				GRASSES				✓ Mesembryanthem nodiflor			
								✓ Calandrinia (im. sub fl.) - granul			
				✓ Bromus 2 arvensis	vsp			✓ Crassula calceolata	granulifera		
				✓ Avena 2 fatua (barbata)				✓ Calandrinia (the small, nodifl?)	calyptata		
SHRUBS				✓ 2 Pentstemon aizoides	vsp			✓ Crassula pedicellata			
✓ Halosarcis? fine halocnemoides				✓ Vulpia myuros				SEDGES			
(sterile)				✓ Hordeum leporinum							
✓ Mairana (Eurychiton Schol) - 26/8				✓ Bromus ruber				26/8/99			
✓ ? Cratystylis								✓ Octospermum clandest			
Frankenia				HERBS				✓ Eragrostis dielsii			
✓ Frankenia lawrencea squamata				✓ Senecio laetue				✓ Hypochaeris glabra			
Didymanthus roei								✓ Arctotheca (calend)			
				✓ Mesembryanthemum nodiflorum	vsp			✓ Datura glochidatus			
								✓ Sonchus ol			
				✓ Sarcocolla praeox	(usp)						
				(long, narrow lvs., small dark red fls.)							
				✓ Mesembryanthemum nodiflorum	vsp						
				✓ Pogonopsis stricta							
				✓ Gnaphosia (bobbie)							
				✓ Lemnoria burkittii							

#17

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BEACONSITE NUMBER BE 12Mallee
over
Eedeiocka
and BoryaDATE TRIP 25 Sept. '98RECORDERS NG, ASWDATE TRIP 25/6/1999RECORDERS NG/GK/AW

DATE TRIP _____

RECORDERS _____

1. LOCATION of the QUADRAT

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

Trepone No. and location in quadrat?

See Biodiversity Sites map and BE 13

Road Location S. side of Scotsman Rd. W. of Marindu N Rd. in
Mungari Nat. Res

Geographic Location	Latitude	S Longitude	E Altitude
<u>09:30</u>	<u>GPS</u>	<u>Accuracy</u>	
	<u>Map Sheet</u>	<u>2437</u>	<u>(Beacon 1:100,000)</u>

Photograph	Name	Number
	<u>N. Gibson</u>	<u>NG 26</u>

Topographic Position	(Circle the correct response)
<u>Upland</u>	<u>Lower slope</u>
<u>Upper slope</u>	<u>Valley</u>
<u>Midslope</u> ?	<u>Washline</u>

2. SITE DATA Circle the correct response

Slope	Aspect
<u>flat</u> gentle steep	<u>N NE E SE S SW W NW</u>

Surface Soil	Depth to Rock	Colour
<u>gritty clay loam</u> <u>becoming harder at depth</u>	<u>> 50cm</u>	<u>Y1-05 (moist)</u>

Exposed Rock	type	% surface cover	size range
	<u>2-3?</u>	<u>gravel</u>	<u>1-5</u>

Litter	% surface cover	Depth (cm)
<u>> 50</u>		<u>< 5cm (+10)</u>

Bare Ground	% surface cover
<u>30?</u>	

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 (%)	—	—	—	—	30-70
DOMINANT SPECIES					Euc. ?idance Euc. ?
SHRUBS				SHRUBS	
	over 2m	(->) 2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 				
COVER CLASS (%)	30-70	10-30	2-10	—	< 2
DOMINANT SPECIES	Melal. 'pa-per.' Acacia ?acum. Hakea et franc	Alyxia box. Acacia ?acum Acacia ?Hakea	Hakea (Hakea)		Burchyl. tom.
GRASSES		HERBS	SEDGES	over 0.5m	
				under 0.5m	
LIFE FORM	 	 	  	  	
COVER CLASS (%)	2-10	30-70	10-30	—	
DOMINANT SPECIES	Amphipha striat	Berya Lawren	Ecdeirolea mon.	—	

4. VEGETATION CONDITION

Comments

Few weeds

12

slightly

2 dead > 2m shrubs (

(out of 6)

26/8

Record on Sheet

SITE No BIE 12
Date 25 Sep 95
NG. APW 26/8/1999

- 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 1 - use pencil only

BUSHLAND AREA BEACONSITE NUMBER BE13 (NOT 16)DATE TRIP 25 Sept '98RECORDERS NG, ASWDATE TRIP 26-8-1999RECORDERS NG/AW/GK

DATE TRIP _____

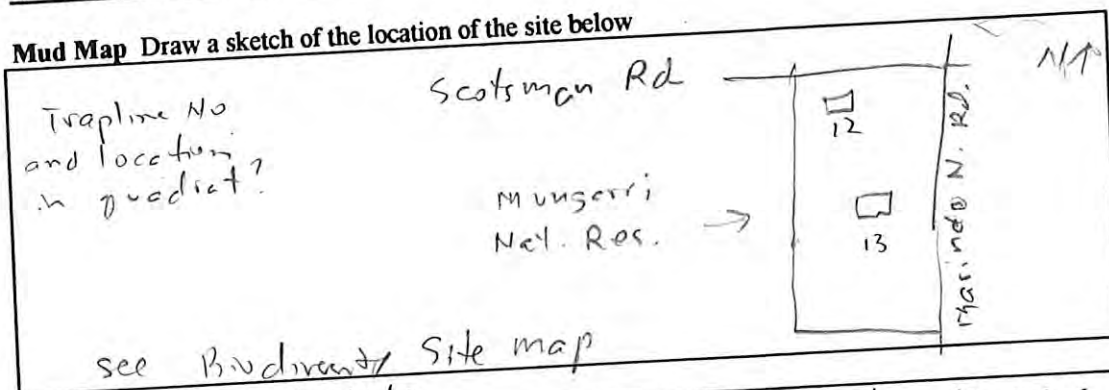
RECORDERS _____

Gimlet

(Salmon
Gum
nearby)

1. LOCATION of the QUADRAT

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

Road Location Marindoo W. of North Rd., in Mungerrri Nature Reserve (S. of Scotsman Rd.)

Geographic Location	Latitude	S Longitude	E Altitude
11:00	GPS	Accuracy	
	Map Sheet 2437	(Beacon 1:100,000)	

Photograph	Name	Number
	N Gibson	NG 27

Topographic Position

Upland

Upper slope

Midslope ?

Lower slope

Valley

Washline

(Circle the correct response)

2. SITE DATA Circle the correct response

Slope (flat) gentle steep

Aspect N NE E SE S SW W NW

Surface Soil Clay Depth to Rock > 50cm Colour red-brown

getting harder with depth

Exposed Rock type 0 % surface cover

size range

Litter 70-80 % surface cover

Depth (cm) mainly > 5cm

Bare Ground 15 % surface cover

mostly lichen-encrusted

3. VEGETATION STRUCTURE AND COVER

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

4. VEGETATION CONDITION

$$Z(-37) \quad (0+6)$$

Bromus med. is common in patches

Note: Plant specimen sheets labelled BE 13 - 24 Sept. are actually BE 16

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESENCE

SITE No BE 13 (NOT 16)

Date 25 Sept. 98

NG, ASW 26/8/1999

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

(are the Anthropodium 1 spp. or 2 spp?)

TREES	No	FI	ID	HERBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Eucalyptus salubris	✓			HERBS (cont.)				Dianella revoluta	✓		
20x20: no additional, but Euc. salmon. nearby				Stenopetalum robustum	✓			Celandinia (small. med.)	✓		
				Thysanotus sp. (p.p.)	✓			Anthropodium capillaris (ls. fl.)	✓		
				Waitzia acuminata	✓			Cassia (ls. = BE 12)	✓		
				Crassula colorata	✓			Plantago aff. hispidula	✓		
				Ptilotus exalt.	✓		ADJ	Hydrocotyle medeas.	✓		
MALLEES				Cephalopterum drum	✓		ADJ	Goodenia berardiana	✓		
				GRASSES				Celandinia hispidula	✓		
				Bromus narditensis rubens	✓			Ptilotus sp. holosericeus	✓		
SHRUBS				Kuhnia myrsin	✓			Hypochaeris glabra	✓		
Alyxia buxifolia	✓			Pentstemon albidus	✓			Celandinia (sm. wh. fl.)	✓		
Olearia muelleri	✓			Austrodanthonia	✓			Arctostaphylos calandula	✓		
Rhagodia drum	✓			Austrocladia elegant.	✓		ADJ	Anthropodium (sm fls)	✓		
Eremophila aff. danksii	✓		BE 13 (ADJ)	Hordeum	✓			SEDGES			
Maireana georgei	✓			HERBS				26/8/1999			
Enchylomena toment.	✓			Trachym. cyanop.	✓			Hypoxis occidentalis	✓		USP
Scariosa diocantha	✓			Trachym. ornata	✓			Celandinia granulif.	✓		
Acacia tetrag. (acutaria)	✓		26/8	Dacrydium glabrid.	✓			Hyalospora glutinosum	✓		
Templetonia sulcata	✓							Plantago hispid	✓		
Boissia walkeri	✓			Maireana georgei	✓			Spergula pentandra	✓		USP
Acacia prinacea (unint.)	✓			Maireana ? georgei	✓			(ADJ)			
Ptilotus obovatus	✓			Hyalosperma glut. glut.	✓			Dichopogon fimbriatus	✓		USP
Cassia (Senna artemisioides)	✓		26/8	Senecio gl. sen. thurs	✓						
Excavus aphyllus	✓		ADJ	Podophloeum gnaphal.	✓						
Eremophila decipiens	✓		ADJ								

Grevillea acutaria

Senna

Maireana georgei

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

Salmon Gum

BUSHLAND AREA BEACON SITE NUMBER BE 14

DATE TRIP 24 Sept '98 RECORDERS NG, ASW

DATE TRIP 26/8/1999 RECORDERS GK/NG/AW

DATE TRIP _____ RECORDERS _____

Salicola

1. LOCATION of the QUADRAT

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

see BE 15 16

220 m (paces?) W. of end of W. Bay track, Mollerish Lake N.R.
ca 80m S. of narrow, linear salt lake at edge of Mol. Lake

210/170/100m/PS
+ 0m

Road Location N. end of Bay track is 3.5 km from Kulta-Moll. Rock Rd.
30° 30' 9.4" 117° 33' 42.4" (driving distance)

Geographic Location Latitude 30° 30' 15.6" S Longitude 117° 33' 7.0" E Altitude 10' 00
GPS Tr. Err. XL Accuracy 2.3
Map Sheet 2436 (Bencubbin 1:100,000)

900m S. of BE 10

AMG
553908
6625375

Photograph Name N. Gibson Number NG 21

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

3 →

2. SITE DATA Circle the correct response

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

Surface Soil Sandy loam Depth to Rock > 50cm Colour or (reddish) brown (dry)

Exposed Rock type 0 % surface cover size range

Litter > 50 % surface cover Depth (cm) > 10cm

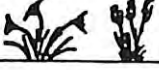
Bare Ground ~ 10 % surface cover

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				MALLEES	
	over 15m	5-15m (->)	under 5m	over 8m	under 8m
LIFE FORM		no trunks in plot 	 		
COVER CLASS (%)	—	10-30 (->)	—	—	—
DOMINANT SPECIES		~~Eucalyptus~~ salicoides			
SHRUBS				SHRUBS	
	over 2m	(->) 2m - 1.5m (-<)	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 				
COVER CLASS (%)	—	2-10	<=	<2	10-30
DOMINANT SPECIES		? ~~Boerhaavia~~ (broombush)		Oleonia? axil	Rhagodia drumm.
		Adenocaulon viscosum			Enchyl. fow.
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM	 	 	 	 	
COVER CLASS (%)	<2	10-30	—	—	
DOMINANT SPECIES	Austrost. eleg.	Crassula color.			
		Trachym. cyanod.			
		Calandrinia			

Lepidoloma rot.

4. VEGETATION CONDITION

1-2

Comments

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No BE14

Date 24 Sept - 1998

NG, ALW 26/8/1999

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

Frei - skurriophara

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc salm. = E. salicola								Podothera gnaph.			
								Podolepis canescens			
								Nyssa glabra			
20x20								Podolepis capillaris			
								Calotris hispid.			
								Achnobole uligin.			
MALLEES											
				GRASSES				Tetragonia diptera			
								Sonchus oler.			
				Austrostipa eleg.				Comesperma integr.			
				Pentstemon aizoides				? Lily (lf.)			
SHRUBS								- SEDGES (no sedges)			
~~Dodonaea Beyeria~~ = Dodonaea				viscosa (26/8)							
				ssp angustiss (vsp)				Arabis Col. (14)			
Philotus obovatus								Levenhookia leptantha			
								(ls. pink fls) ADJ			
Eucalypt. tom.											
				HERBS				26/8/1999			
Rhagodia Drummondii				Trachymene pilosa				Grodenia berardiana			
				Trachym. cyano.				Brassica tournefortii			
Olearia Paxil.				Trachym. (lg.) (= BE10)				Philotus gaudichaudii			
				Cressula colorata				Bromus madritense			
								Thysanotus mang.			
Templetonia sulcata				Calandrinia (granulifera)				Calandrinia eremita			
				Blennospora phlegmatocarpa							
Olearia muelleri				Lepidium rotund.							
				Lepidium sp Phlegmatospermum Drummondii (vsp)							
				Zygophyllum eremaeum							
				Stenopetalum filiforme							

✓ Microlepidium pilosulum (vsp)

15
Yop K Gum

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BEACON SITE NUMBER BE15

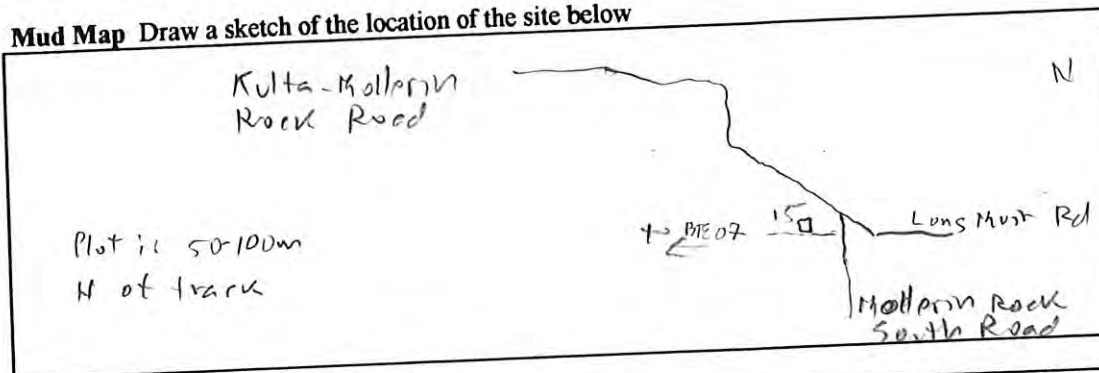
DATE TRIP 24 Sept '98 RECORDERS NG, ASL

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 N 0.13 Km w. along S. boundary of reserve from Mollerin Rock South road
(peg on fence)

Geographic Location Latitude 30°32'45"S Longitude 117°34'34"E Altitude 1500
GPS Tr. Ev. XL Accuracy 2.5
Map Sheet 2436 (Bencubbin 1:100,000)

Lake
Mollerin

Photograph Name H. Gibson Number NG 24

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 loam Depth to Rock > 50cm Colour or

Exposed Rock type 0 % surface cover size range

Litter 30-40 % surface cover many branches Depth (cm) mainly < 10cm

Bare Ground < 30 % surface cover mainly lichens & crusts

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

AMG

555 259

66205 76

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m (->)
LIFE FORM			 		
COVER CLASS (%)	—	—	—	—	30-70
DOMINANT SPECIES					Euc. loxoph.
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m (-<)	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 				
COVER CLASS (%)	2-10	2-10	2-10	10-30	10-30
DOMINANT SPECIES	Erem. "oldfield"	Acacia? thos.	Acacia? hemit.	Acacia? ering.	Oleandra muell.
				(Lupinus?)	Phytol. above
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM	~ 2m			under 0.5m	
	 	 	 	 	
COVER CLASS (%)	2-10	10-30			
DOMINANT SPECIES	Amphibizon				
	stach.	mixed comp B			
	Austrostyria				

4. VEGETATION CONDITION

Comments

weedy in patches

2(-3)

(out of 6)

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No BE15

Date 24 Sept 98

NG, AS in 26/8/99

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 Free

[illegible]

TOO WET

Gypsum
But soil base
& specimen sheet
say BE 13)

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BEACON SITE NUMBER BE 13 16

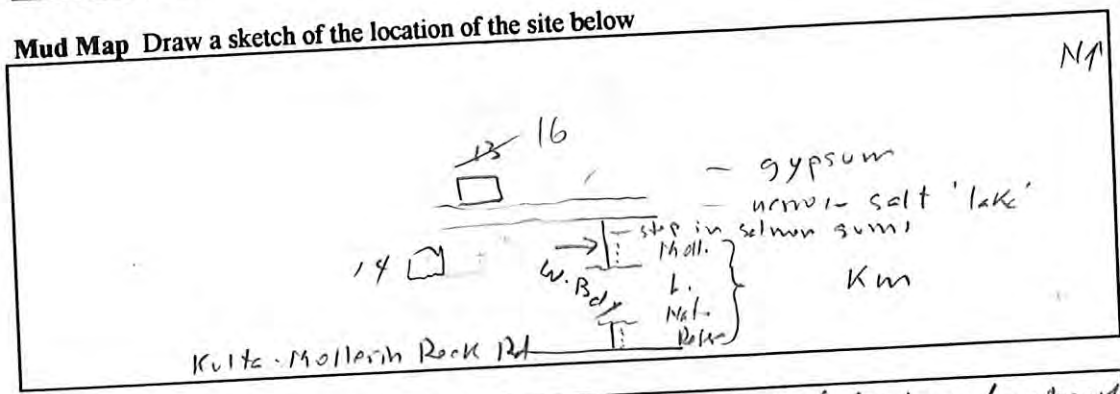
DATE TRIP 24 Sept '98 RECORDERS NG, ASW

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 S. edge of Mollerin Lake past end of W. boundary track
30° 30' 10.26" S 117° 33' 50.22" E

from S
Lake
Mollerin

Geographic Location Latitude 30° 30' 10.26" S Longitude 117° 33' 50.22" E Altitude 09:00
GPS Tr. En. XL Accuracy 3.6
Map Sheet 2436 (Bencubbin 1:100,000) or just N. of it

Photograph Name N Gibson Number NG 20

Topographic Position (Circle the correct response)
Upland _____ Lower slope _____
Upper slope _____ Valley _____
Midslope _____ Washline _____
Edge of salt flat ('lake')

2. SITE DATA Circle the correct response

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

Surface Soil talc-like (gypsum) Depth to Rock > 50cm Colour cream (mudst)
very thin (< 2cm) hard surface layer

Exposed Rock type 0 % surface cover _____ size range _____

Litter < 2 % surface cover _____ Depth (cm) _____

Bare Ground > 50 % surface cover

3. VEGETATION STRUCTURE AND COVER

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

4. VEGETATION CONDITION

1-2

(of b)

Comments

A few dec. shrubs

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No B127316

Date 24 Sept. '98

NC. ASW

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

• Column 4 Identification check														
TREES				SHRUBS (cont.)				HERBS (cont.)				No	FI	ID
	No	FI	ID		No	FI	ID	✓ Triglochin nanum				(VSP)		
								✓ Triglochin affucanum				(VSP)		
								✓ Wurmbea laevis						
								Lepidium sp.						
MALLEES								✓ Blechnum drum						

21

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BEACON SITE NUMBER BE17

DATE TRIP 25 Sept '98 RECORDERS NG, ASW

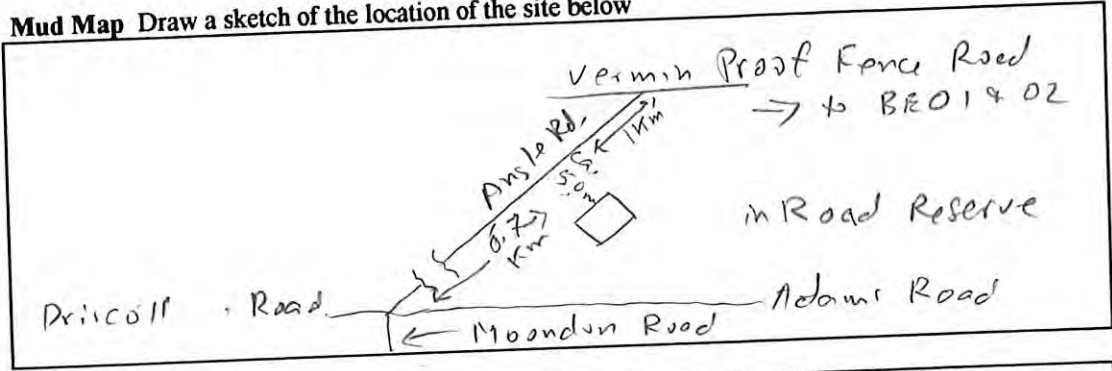
DATE TRIP 25-8-1999 RECORDERS NG/GK/AW

DATE TRIP _____ RECORDERS _____

Callistric -
eucalypt
mallee
woodland

1. LOCATION of the QUADRAT

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



Road Location SE side of Angle Road in road reserve

AMG
622744
6653480

Geographic Location Latitude 30°14'38.3" S Longitude 118°16'32.6" E Altitude 16'00
GPS Tr. En. XL Accuracy 3.6
Map Sheet 1536 (walki 1:100,000)

Photograph Name M. Gibson Number NG 30

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 sand **Depth to Rock** >50cm **Colour** yellow (= BE 01)

Exposed Rock type 0 % surface cover size range mainly <5cm, some branches & boulders to >10cm

Litter ~ 50 % surface cover **Depth (cm)** 12

Bare Ground 20-30 % 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				MALLEES	
	over 15m	5-15m	(-) under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	—	2-10	2-10	—	2-10 (-30) <i>humpy</i>
DOMINANT SPECIES		<i>Euc. capillosa</i> <i>capillosa</i>	<i>Callistm</i> <i>Santalum</i>		<i>Euc. (sm lvs.)</i> <i>Euc. bursosa</i> <i>Euc. rough bark</i>
SHRUBS				SHRUBS <i>Euc. ?</i> <i>Leptosporol</i>	
	over 2m	2m - 1.5m	(-) 1.5 - 1m (-4)	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10	2-10	10-30 (-7)	—	—
DOMINANT SPECIES	<i>Alloc. acut.</i>	<i>Phallaster</i> (bl., pink)	<i>Baecke</i> <i>Phacelum tub.</i>		
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM					
COVER CLASS (%)	2-10	10-30	—	—	
DOMINANT SPECIES	<i>Amphip. strob.</i> <i>Ulpia myon</i>	<i>Lawsonella</i> <i>Pedotter gnyph</i> <i>Wartzig acn</i>			

4. VEGETATION CONDITION

Comments

(1-2)

(of 6)

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No BE 17
Date 25 Sept. 98
NG, ASW 25/8/1999

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

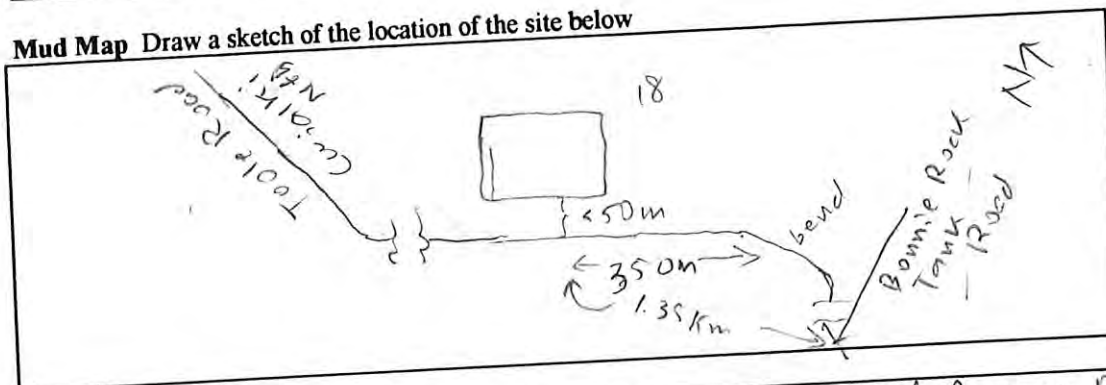
				HERBS (cont.)				No	FI	ID
TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID			
<i>Eucalyptus capillaris capillaris</i>				<i>Lobelia</i>				<i>Diorella revoluta</i>		✓
<i>Callitris canescens</i>	usp			<i>Lobelia</i>				<i>Urtica cyrenobutanica</i>		✓
<i>Santalum spicatum</i>				<i>Crossula colorata</i>				<i>Epervieria leptantha</i>		✓
				<i>Gonocarpus panicul.</i>				<i>Thysanotis - strob. (pink)</i>		✓
				<i>Calandrinia (mael. red fl - dill)</i>				<i>Tachymen angata</i>		✓
				<i>eremaea</i>				<i>" cyanop.</i>		✓
MALLEES								<i>" pilosa</i>		✓
<i>Euc. burracopini</i>				GRASSES				<i>Brunneria (austrelis) sp - goldfields</i>		✓
<i>Euc. leptopodaish</i>	usp			<i>? <i>Platyrrhynchus fruticosa</i></i>				<i>Poa microphylla</i>		✓
<i>Euc. (tall, rough trunk, smooth branches)</i>				<i>Amphipogon strictus</i>				<i>Hypochaeris glabra</i>		✓
<i>Euc. (small, thin, bark purplish)</i>				<i>Austrostipa eleg.</i>				<i>Arcoboth. calenda</i>		✓
SHRUBS				<i>Pentstemon gossypifolius</i>				SEDGES		
<i>smooth above d. 5m</i>				<i>Lolium rigidum</i>						
<i>powdery - leptopodaish</i>				<i>Vulpia myuros</i>						
<i>Alloesuarina acutivalvis</i>			✓	<i>- rostrata</i>						
<i>Malloostemon (lvs. bl, fls pink)</i>			✓	HERBS						
<i>Baeckea ? <i>recurva</i> <i>oldeniana</i></i>	usp		✓	<i>Podotroche anaphal.</i>			✓	<i>Brassica tournefortii</i>		✓
<i>sp. Wangan Hills</i>				<i>Podotroche angustif.</i>			✓	<i>Pterostylis</i>		✓
<i>Phelipaea <i>maireana</i> 25/9/98</i>	usp		✓	<i>Cerastium glab.</i>			✓	<i>Sonchus oleraceus</i>		✓
<i>"cylindrical fruit"</i>			✓	<i>Blennospora drummondii</i>			✓			
<i>Phelipaea tuberosa (wh fl.)</i>			✓	<i>Lawrenciella clarens rosea</i>			✓			
<i>Phelipaea ? <i>canalic.</i></i>			✓	<i>Waitzia acuminata</i>			✓			
				<i>Rhodanthus laevis</i>			✓			
				<i>Podolepis canescens</i>			✓			
<i>Alysic. buxif.</i>	ADJ		✓	<i>Ancienthus tomentosus</i>			✓			
				<i>Gilbertia <i>tenacifolia</i></i>			✓			

Heath
on laterite
gravel**BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only**BUSHLAND AREA BEACONSITE NUMBER BE18DATE TRIP 26 Sept '98RECORDERS NG, ASWDATE TRIP 25/8/1999RECORDERS NG/GK/AW

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location NE side of Toole Road ca. 6.5 km N of Bonnie Rock
6.1 km (driving distance) N of Mukinbudin - Bonnie Rock Road (Railway)

Geographic Location Latitude 30°29'18" S Longitude 118°20'42.9" E Altitude 14'30
GPS Tr. Pn XL Accuracy 2.6
Map Sheet 2537 (scale 1:100,000)

Tool rd.

Photograph

Name N GibsonNumber NG 35

Topographic Position

Upland

Upper slope

Midslope?

Lower slope

Valley

Washline

(Circle the correct response)

2. SITE DATA Circle the correct response

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

Surface Soil gravelly sand / 15cm Depth to Rock > 15 Colour yellow

Exposed Rock type gravel > 30% surface cover size range 2-10mm mainly (->)

Litter ~ 30% surface cover Depth (cm) mainly 2-20mm

Bare Ground ~ 30% surface cover

mainly gravel & lichen-encrusted

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

ANG
629113
6626321

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

3. VEGETATION STRUCTURE AND COVER

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

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

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

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10-30	2-10	10-30	10-30	30-70
DOMINANT SPECIES	Allocas. acutiv.	Thryptom? mstr.	Grevillea pred.	Phacelium tub.	Hibbertia
	Allocas. physodes	Grevillea sp. (Acacia? scler)			

GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10	10-30	—		<2
DOMINANT SPECIES	Amphip. strob.	Mixed Asteraceae; Velvetia	Chrysanth.		Chrysanth.

4. VEGETATION CONDITION

(1-2)

(of 6)

Comments

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No BE18
Date 26 Sept. 98
25/8/1999

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
				25/8/99 <i>Vulpia myuros</i>				<i>Vellaria cynobot.</i>			
				<i>Chamaeceros macrantha</i>				<i>Poranthera microphylla</i>			
								<i>Trachym. orn.</i>			
								<i>" cyanopetala</i>			
								<i>" sp</i>			
								<i>Lobelia 'skt leaf' gibbosa</i>			
								<i>Cotyledonia (sm dead)</i>			
								<i>Dioscorea (climbing) macrantha</i> 25/8			
MALLEES				GRASSES				<i>Hypoch. glaba</i>			
				<i>Amphioxys stricta</i>				<i>Brunonia australis</i>			
				<i>Austrostipa elegant</i>				<i>Cyanicula amplexans</i>			
SHRUBS								SEDGES			
<i>Allocas. acutiv.</i>				<i>25/8</i>				<i>Chrysitrix distigmatosa</i>			
<i>Allocas. pycnos (thuyozale)</i>				<i>halimides (VSP)</i>							
<i>Grevillea acacioides</i>				<i>Baeckea recurva (VSP)</i>				HERBS (cont.)			
<i>Grevillea paradoxa</i>				HERBS				<i>Dianella revoluta</i>			
<i>Thryptomena ? australis</i>				<i>Podotheca 2 angust. gnaphaloid</i>				<i>Gonocarpus paniculatus nodulosus</i>			
<i>Phebalium tuberculatum (YH)</i>								<i>Thysanotus pat/mous</i>			
<i>Hibbertia erasperata</i> VSP				<i>Waitia acuminata</i>							
<i>Leucopogon Astroloma (FIAD)</i>				<i>" citrina</i>							
<i>Leucopogon serratifolius</i>				<i>Lawrencea davenp.</i>							
<i>Psamma moxa chaeoides</i> 25/8/99				<i>Anemanthus tom.</i>							
<i>Grevillea aff. acacioides (YH)</i>				<i>Gilbertia tenuif.</i>							
<i>Grevillea yorkrakinesis</i>				<i>Rhynchospora laevis</i>							
<i>Acacia ? nematophylla</i> ADJ				<i>Millotia ? myosot. tenuifol.</i>							
<i>Calytrix</i> → ADJ											
<i>Homalocalyx thryptomencoides</i>											

Baeckea elderiana (spec) (VSP)

as such for

Wandoo
on granite

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BEACON SITE NUMBER BE19

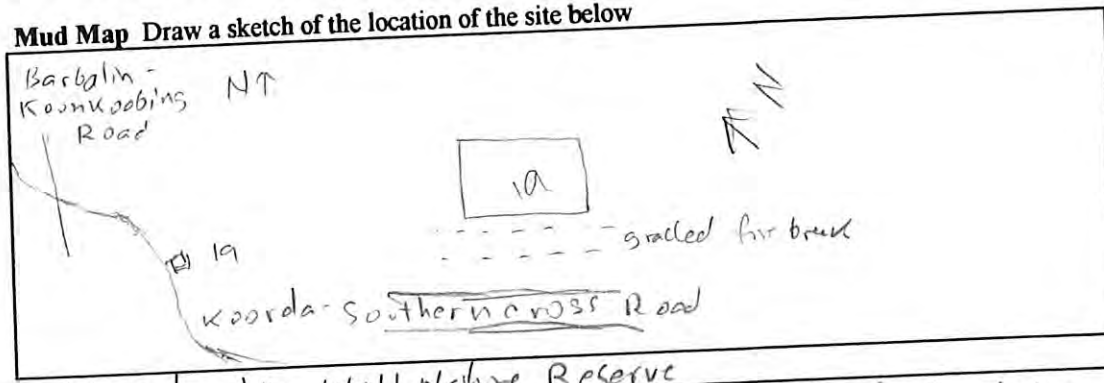
DATE TRIP 26 Sept '98 RECORDERS NG, ASW

DATE TRIP 25/8/1999 RECORDERS NG / AW / GK

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Wundawlin Well Nature Reserve
Road Location E. side of Koorde - S. Cross Rd. 1.28 Km SE of Barbalin - Koon Kooling Rd.

AMG
601269
6584956

Geographic Location Latitude 30° 51' 51.1" S Longitude 118° 03' 33.3" E Altitude 1630
GPS Tr. En. XL Accuracy 3.5
Map Sheet 2536 (Barbalin 1:100,000)

Photograph Name N. Gibson Number NG 36

Topographic Position (Circle the correct response)

<u>Upland</u>	Lower slope
<u>Upper slope</u>	Valley
<u>Midslope</u>	Washline

2. SITE DATA Circle the correct response

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

Surface Soil loam **Depth to Rock** ~10 **Colour** brown (dry)

Exposed Rock type granite % surface cover outcrop 22% size range
gravel 40%? mainly 1-10 mm

Litter >60% surface cover **Depth (cm)**
including branches & trunks from grazing

Bare Ground 30? % 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 (%)	—	30-70	<2	—	—
DOMINANT SPECIES		<i>Euc. capillosa</i>	<i>Euc. loxoph.</i>		
		<i>capillosa</i>			
SHRUBS					
	over 2m	(-)>2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	—	<2 (-10)	2-10	<2	<2
DOMINANT SPECIES		<i>Dodonaea ptam</i>	<i>Acacia? hemit.</i>	<i>? Ha Ken</i>	<i>Olearia muell.</i>
		<i>Melaleuca laterif.</i>			
GRASSES					
	HERBS		SEDGES		over 0.5m
LIFE FORM					
COVER CLASS (%)	2-10	2-10	—	—	
DOMINANT SPECIES	<i>Amphipogon strict.</i>	<i>Mixed</i>			
	<i>Austrochaete spp.</i>				

4. VEGETATION CONDITION

Comments

3

(of 6)

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

Column 1 plant name

5. SPECIES PRESCENCE

SITE No 13 E 19

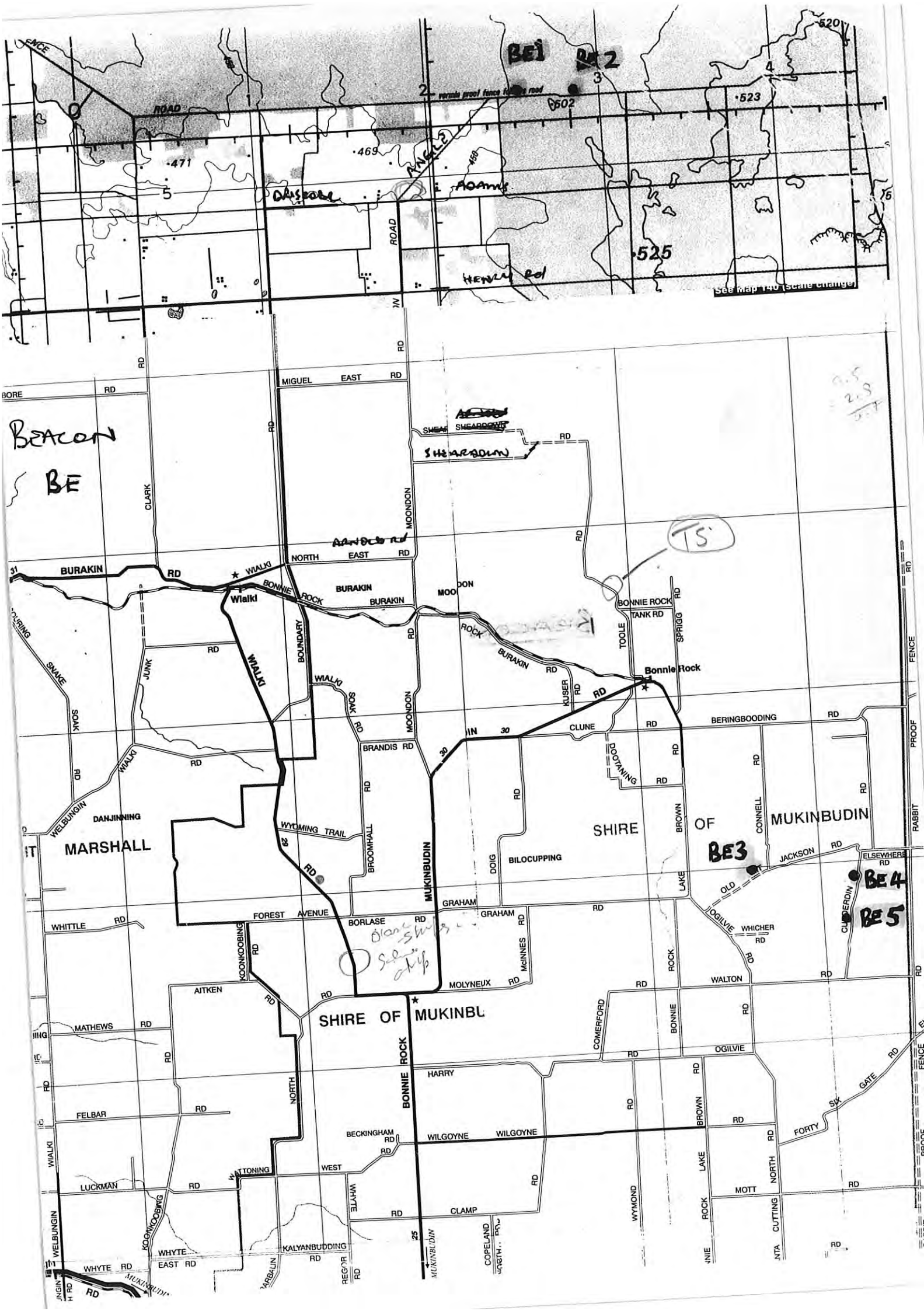
Date 26 Sept '98

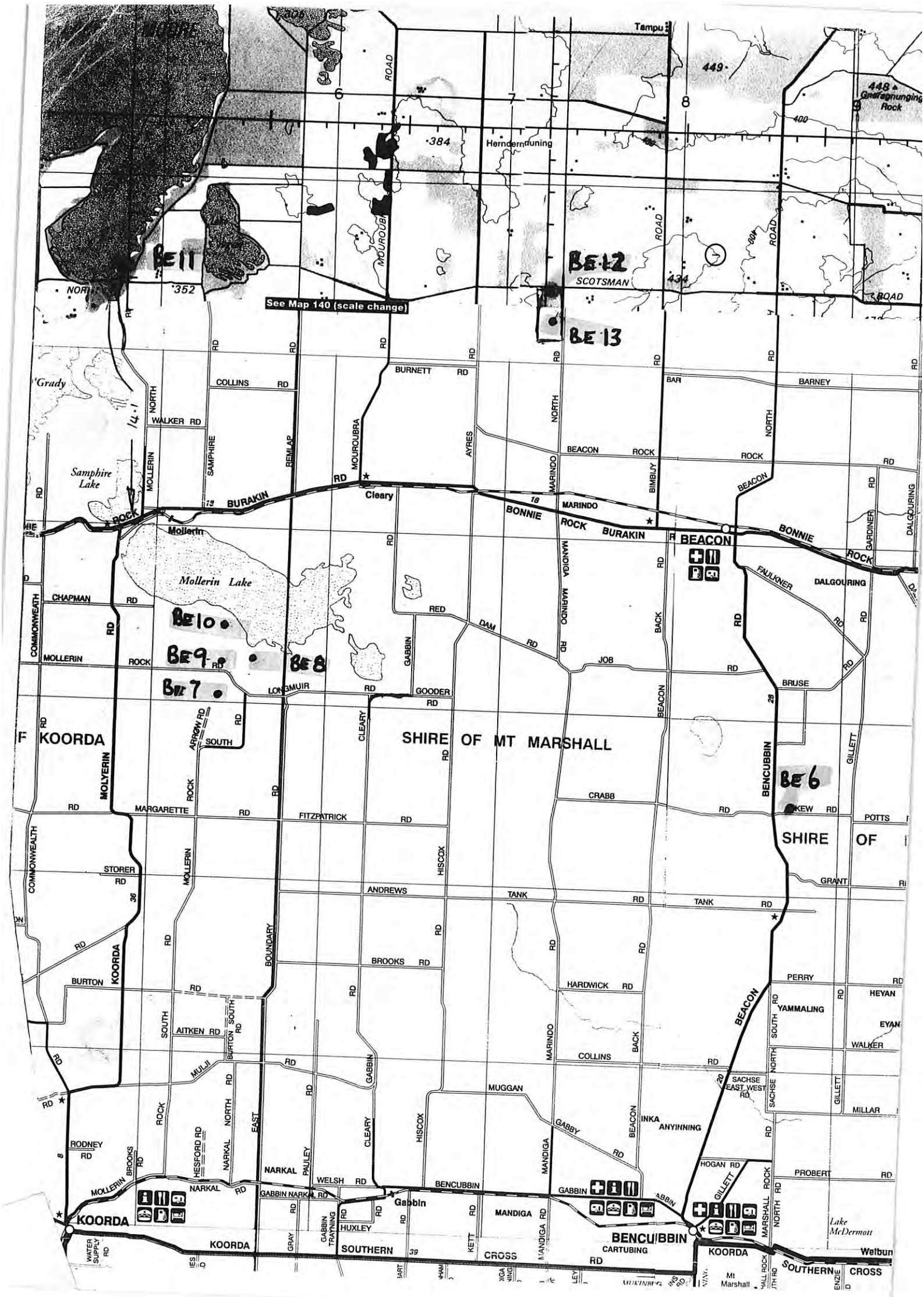
NG ASL 25/8/99

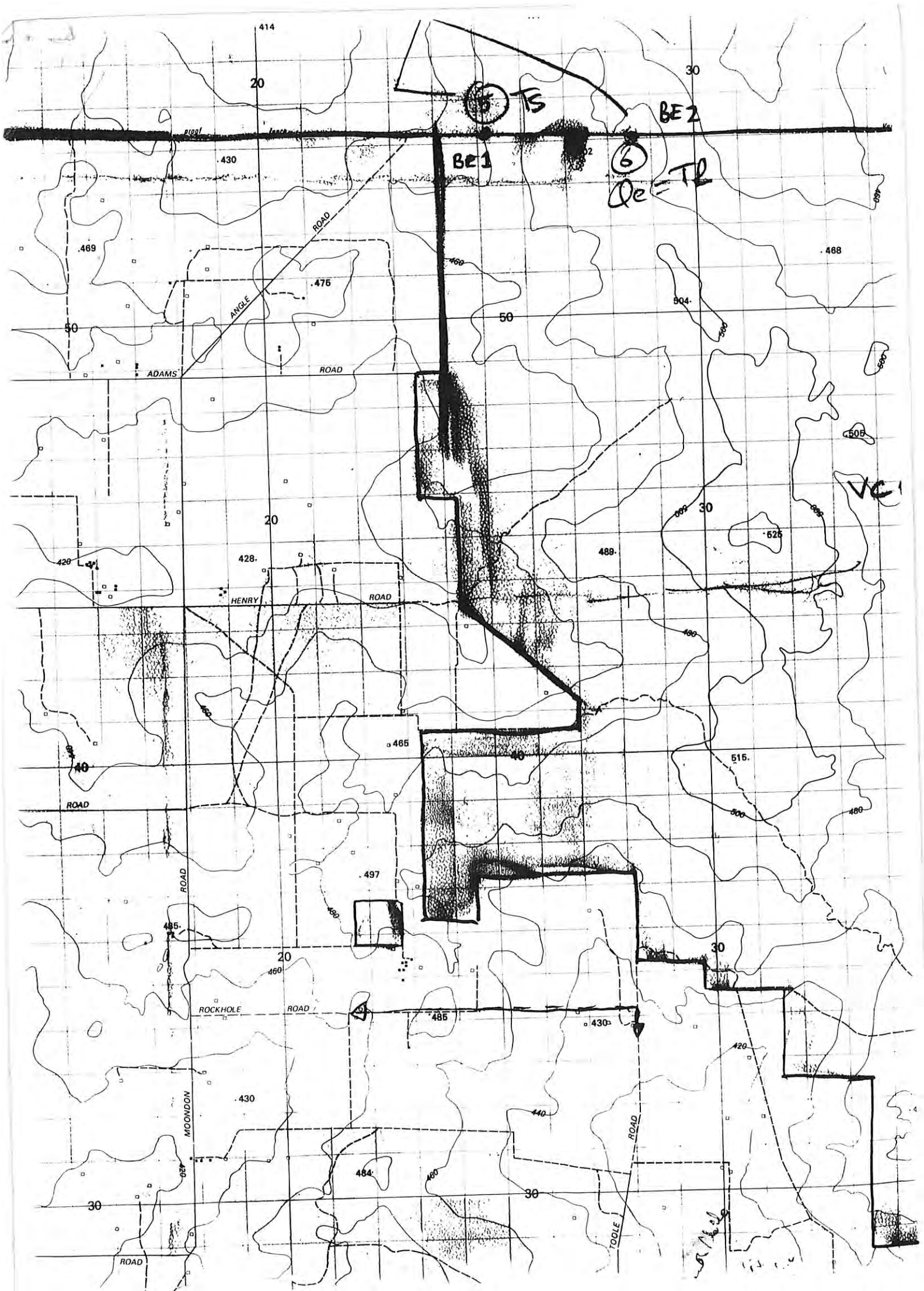
Record on Sheet

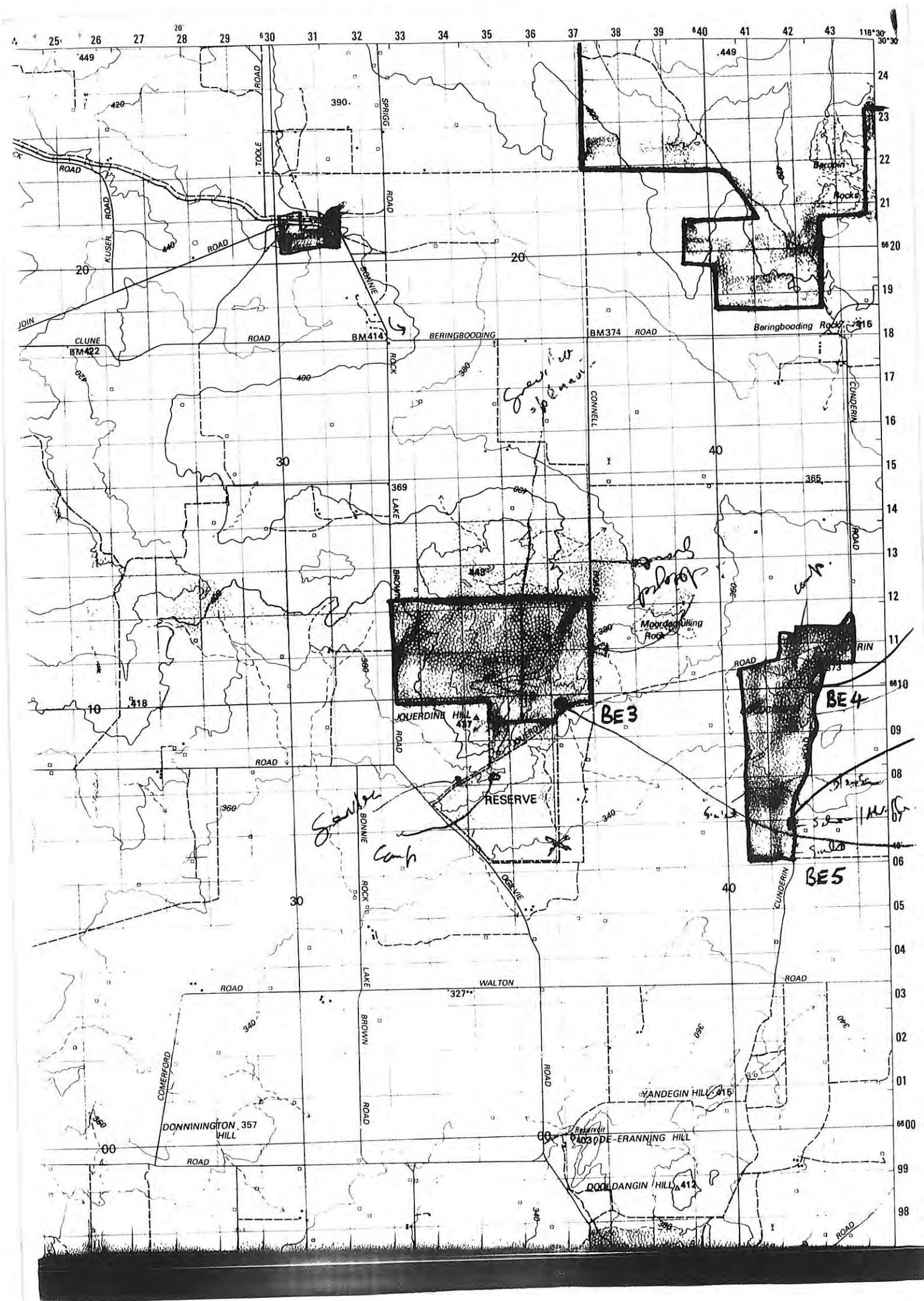
- Column 1 plant name
- Column 2 plant number
- Column 3 flowering time- TICK if species flowering
- Column 4 identification check

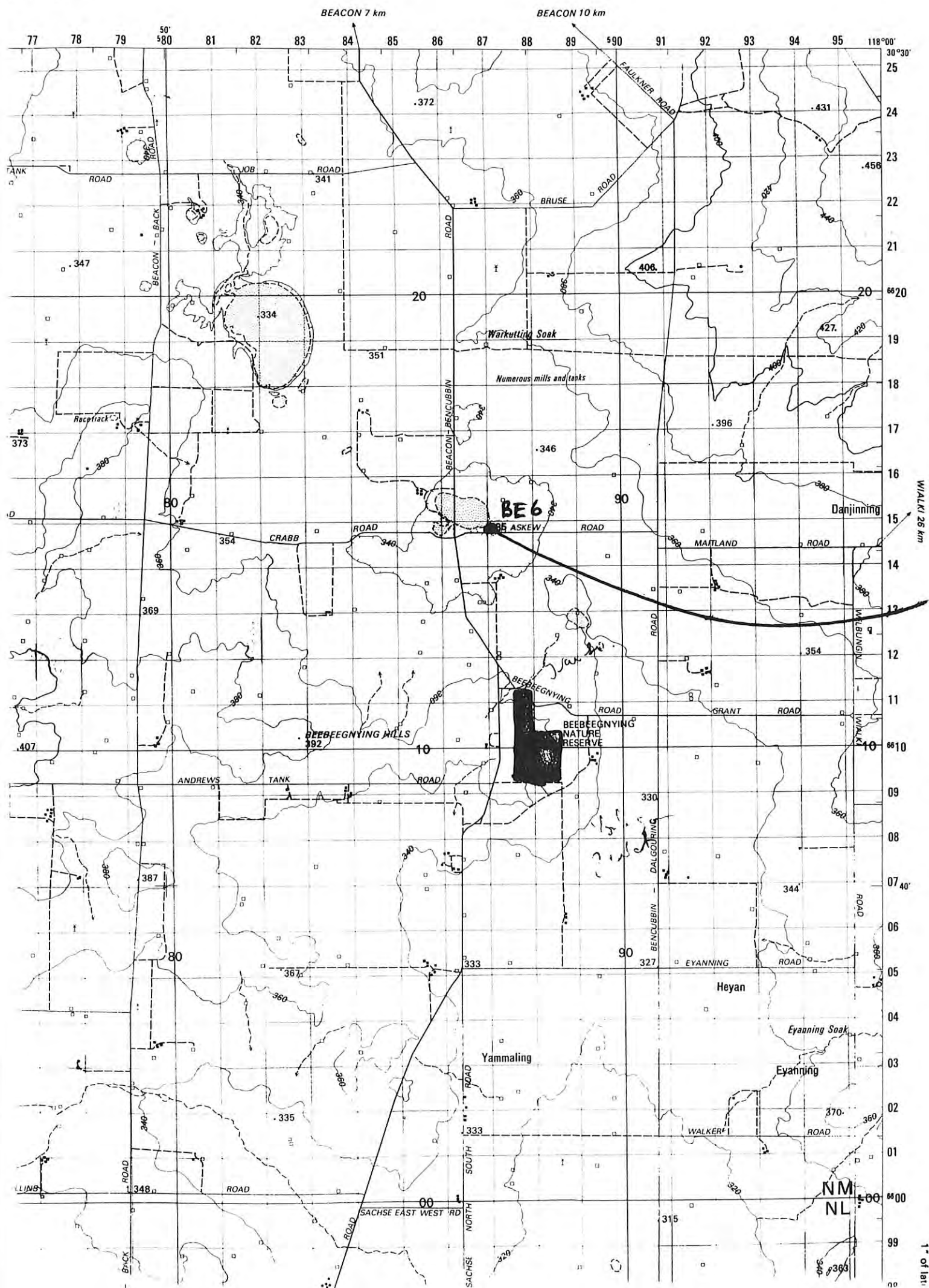
[illegible]

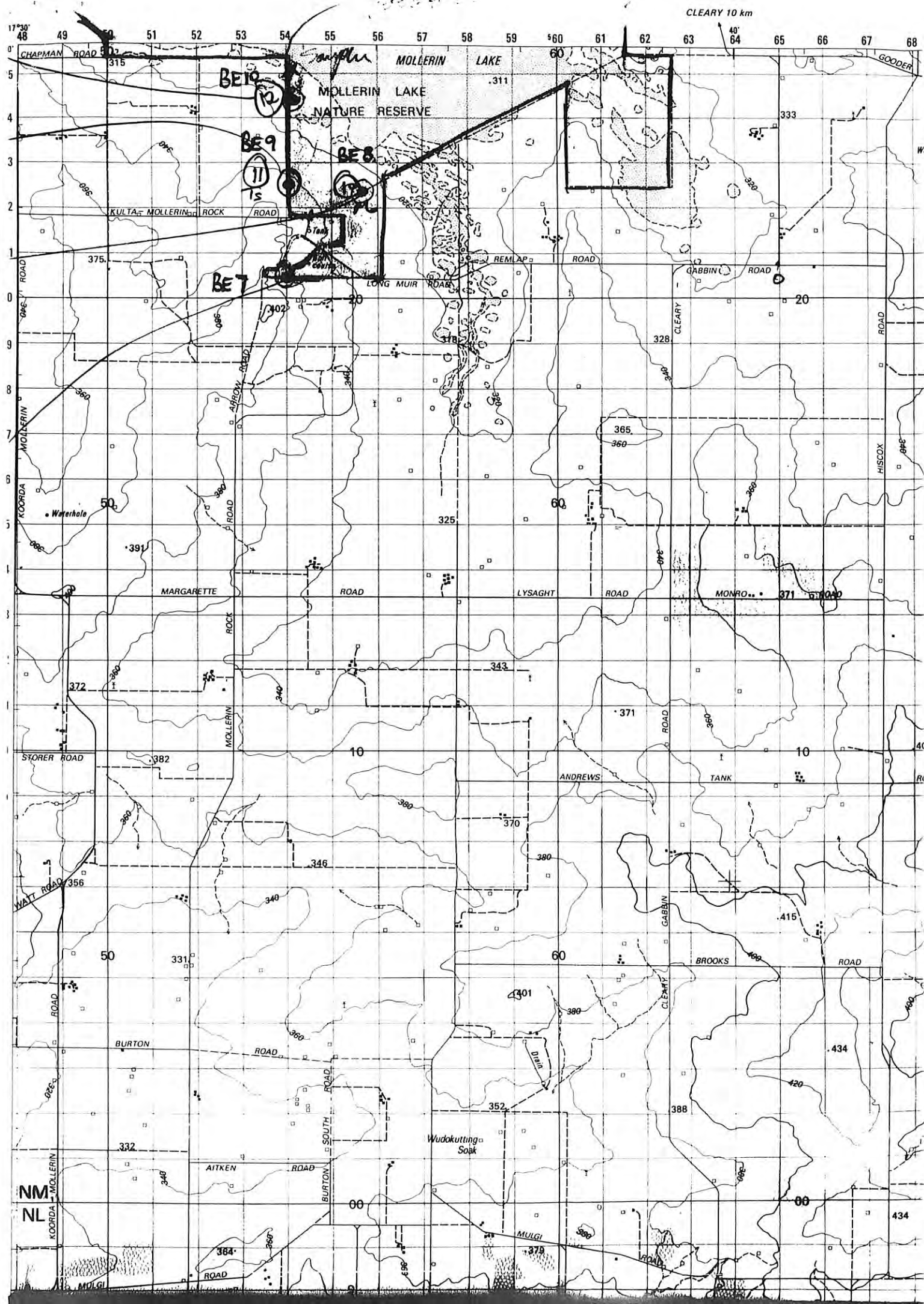














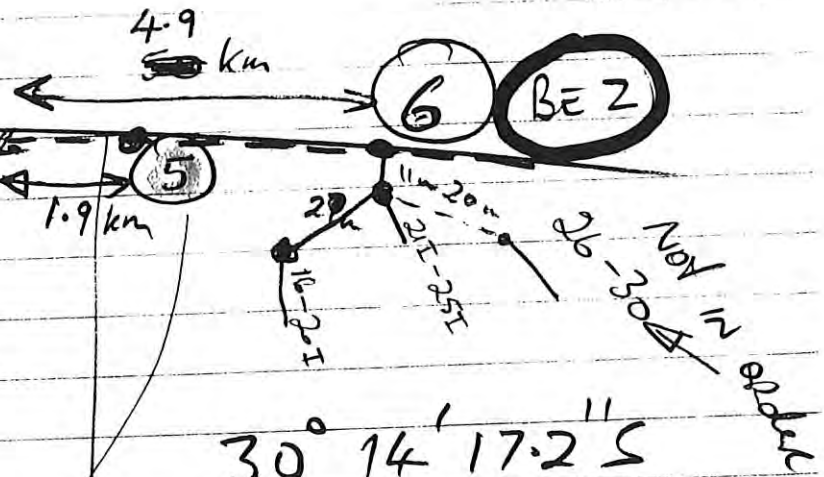
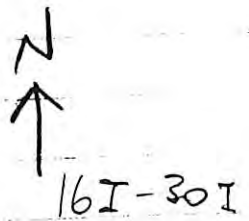
Beacon Survey Area

⑥ In VCL over ^{fm} Karabin Hill NR (southern boundary)
 TL (= Qc)
 34 km North of Bonnie Rock

Latent permanent $\bar{z}$
 gravelly sand veneer

Eucalyptus loxophleba
 E. aff. ~~fraseri~~ (mallee)

over
 H. ~~gularis~~ acutuelus
 + C. campestris
 Acacia resinomergens
 over
 Grevillea paradoxica



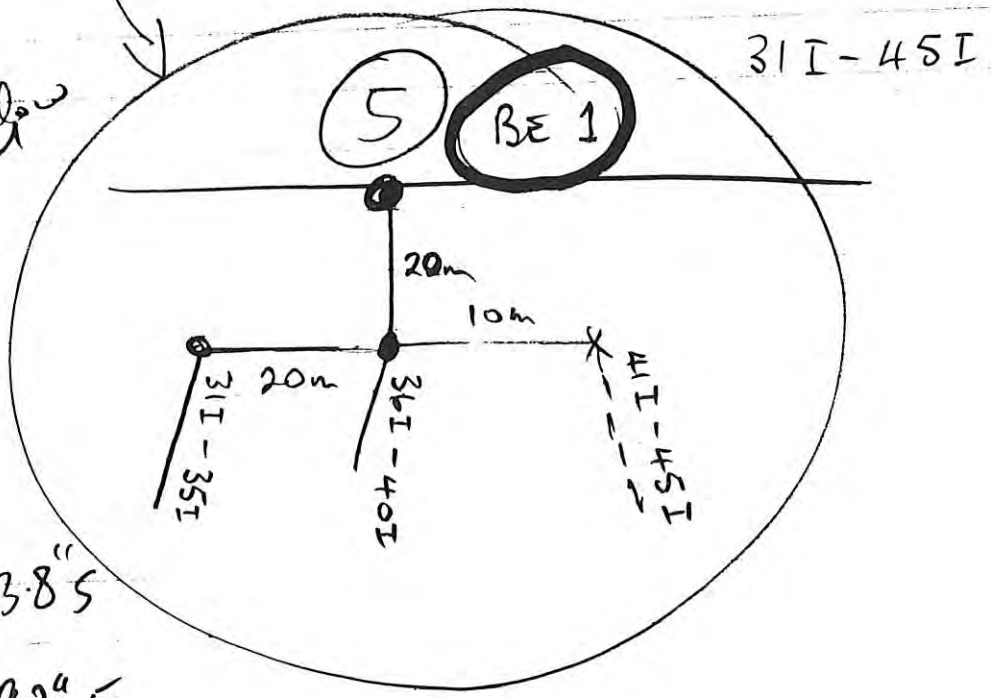
30° 14' 17.2" S
 118° 20' 09.5" E
 Pdsp = 2.3

⑤ Ts deep yellow
 Tertiary Sand

Broombush
 Eucalyptus burracoppensis
 Leptospermum
 Acacia sp
 Thryptomene caudata
 Melaleuca

30° 14' 13.8" S
 118° 18' 09.2" E

Pdsp 2.3



Beacon Survey Area

C 37034 Jouerline
NR

④ Mg (Granite Apron)

low woodland Lithic Complex

12 km ESE of Bonne
Rock

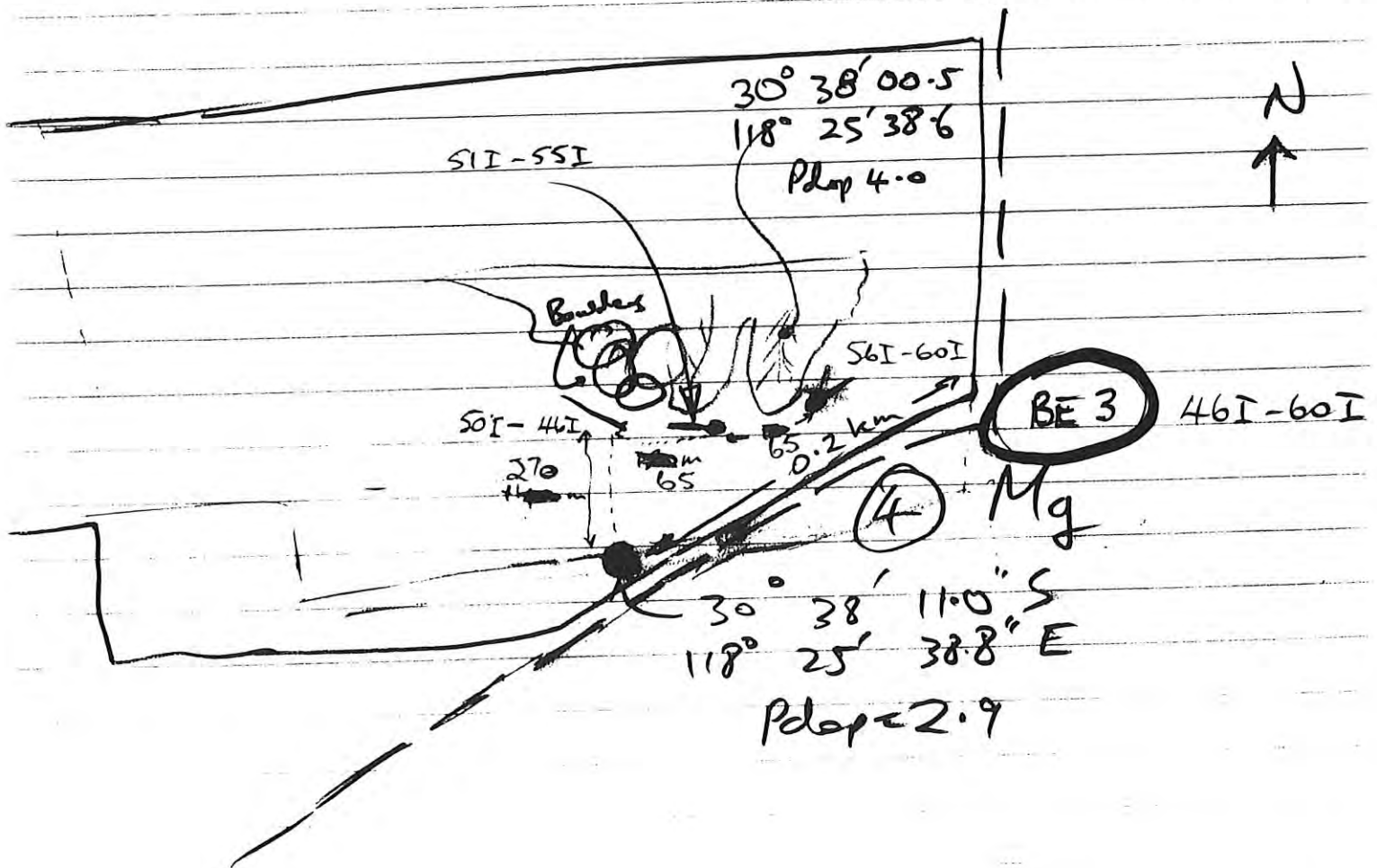
Acacia accuminata

Santalum acuminatum

Calycoprepulus pauciflorus

Spartocloea scirpoides grass

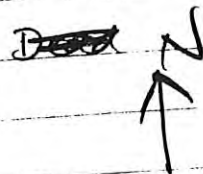
herbs etc



(1)

Beacon Survey Area

Private Land 15 km S of Beacon



Salted Qg = Mo (lower)

Salmon Gum (dead)

~~Yucca~~

E. gracilis (dead)

~~Yucca~~

M. lateriflora

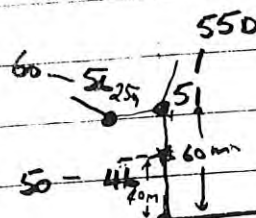
Samphire

Nature Bush Grass

Crab Rd

800 m

Askew Rd



BE 6

30° 35' 46.1" S

117° 54' 27.9" E

P_{drop} = 1.8

460 - 600

Beacon - Beacon Rd

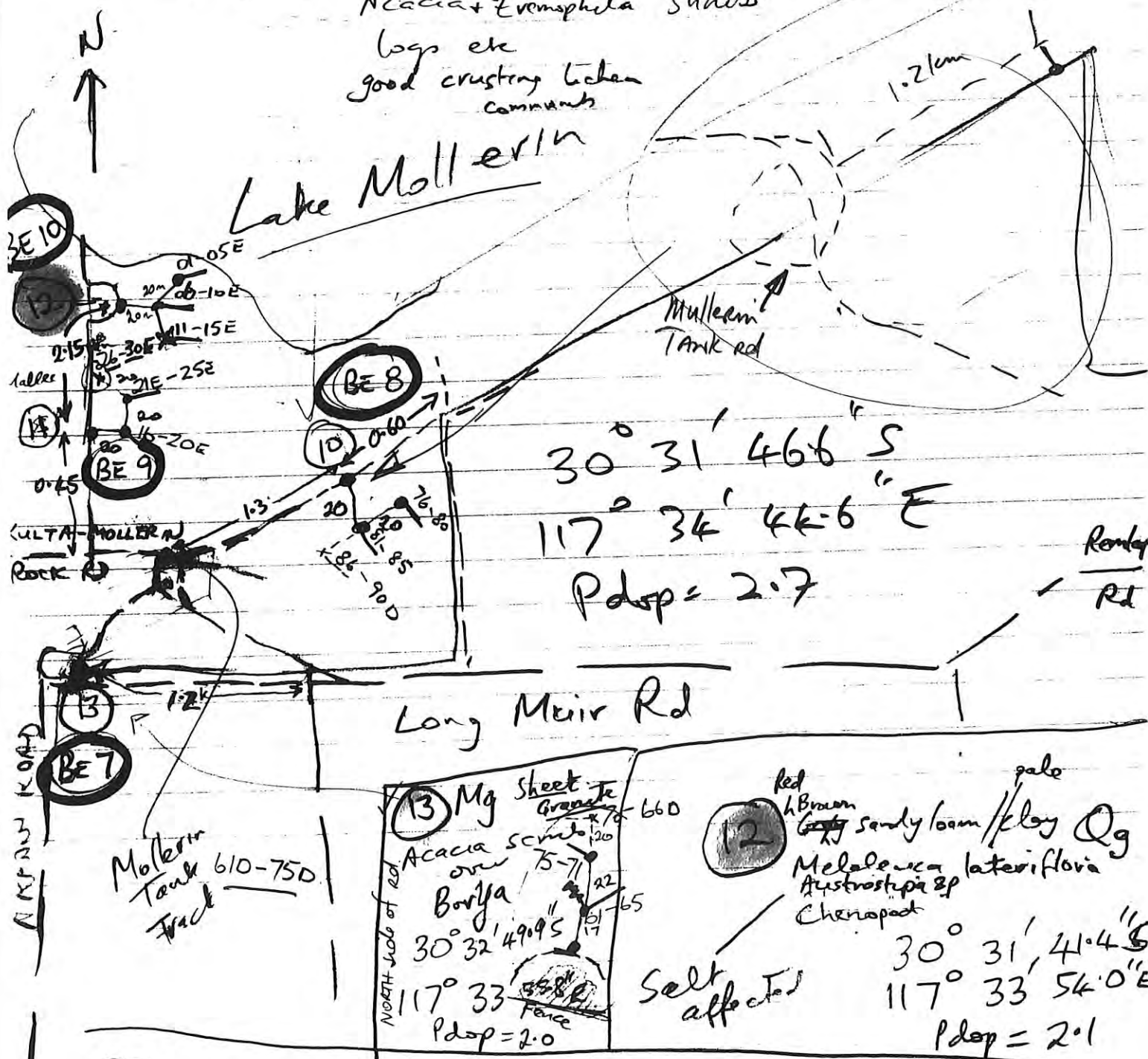
BE 7, 8, 9, 10.

⑩ Beacon Survey Area

M₀ (mid) - Gimlet woodl

Acacia + Eremophila shrubs
logs etc
good crusty lichen
communities

Lake Mullerin



⑪ Ts - deep yellow sand

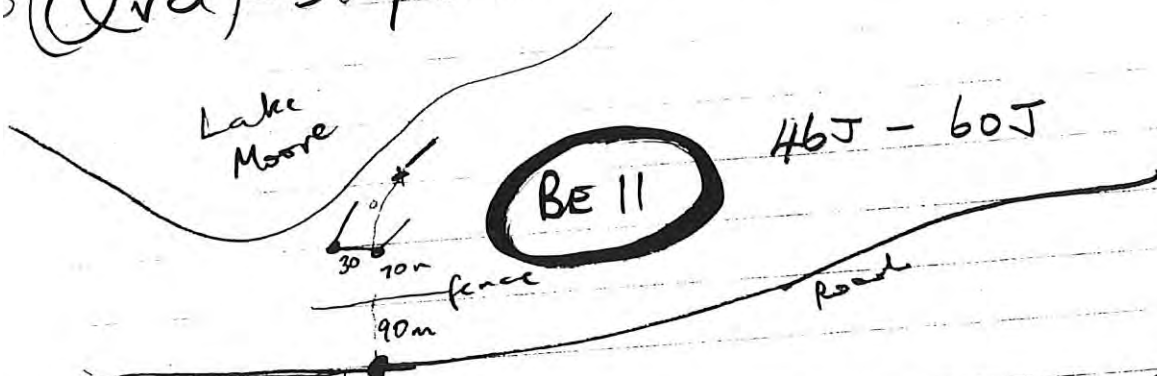
Acacia ? burkittii
All Casuarina acutrocha
Euc leptopoda mallee
Melaleuca ? acutrocha
Thyphane
Allocasuarina campestris

$30^{\circ} 31' 50.5'' S$
 $117^{\circ} 33' 49.3'' E$
 $P_{dop} 2.7$

⑧

Beacon Survey Area VCL at south of Lake Moore

(Qra) - Sampson + Salt Bush



N
↑

$30^{\circ} 20' 09.3'' S$

$117^{\circ} 29' 48.4'' E$

$P_{dup} = 2.2$

MOOREPORT Rd

AMG-547751

6643875

~~15 pits~~
~~11 black caps~~
~~4 nets & pins (1 net)~~

(7)

Beacon Survey Area

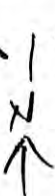
Mungahri

NK

(18 km NW of Beacon)

17923

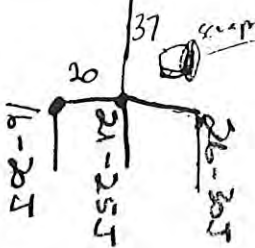
16J-30J



BE 12

9

Tsg



0.7

Red duplex
upper Gimlet Valley floor
Salmon Gum
B. (analogue)
under granite complex

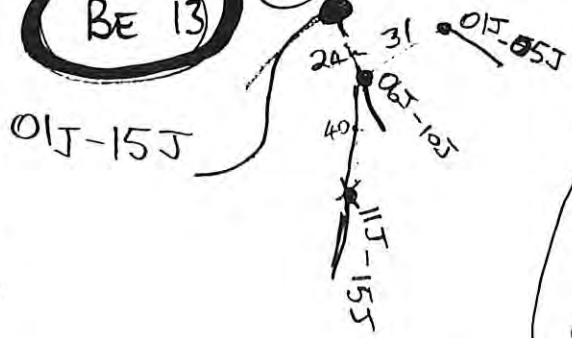
Grev. arvensis
Acacia arvensis
Eucalyptus aphyllus

30 20 55.0 S
117 45 28.8 E
Pasp = 2.1

BE 13

7

0.2



Marinda North Rd

(spillway)
Tsg gravelly sand
under granite
quartzite gravel

Eucalyptus cf. redunca mallee
Acacia } scrub
Hakea }
Echidicholia minorostylis sedge

Tertiary sand sheet
around a granite
outcrop.

30° 19' 51.1" S
117° 45' 12.3" E
Pasp = 7.5

