

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

TALBOT

QUADRAT No. 3

DATE TRIP 9/12/90

VOLUNTEERS Diane Matthews, Gary Matthews, Margaret Langley, Karen Clarke

VEGETATION TYPE Allocasuarina Open Heaps

BOTANIST Branswyn Keighery

1. LOCATION of the QUADRAT

(*young Allocasuarina*) Down track from (4) large man-made long track.

a. Map Draw a sketch of the location of the quadrat at the back of this sheet. →

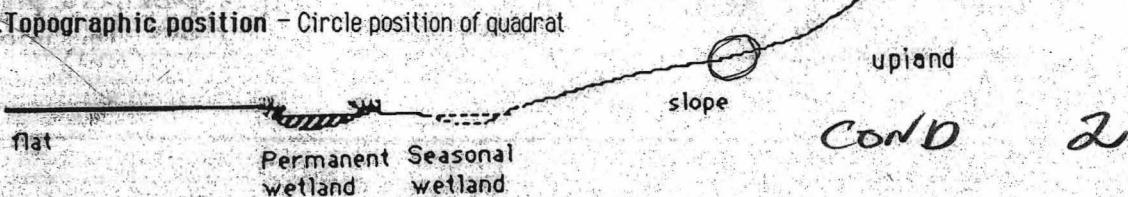
nature advantages to STH OF Quadrat

8/8/91 BJK

b. Photograph Photographer's name

"/91 BJK S.J.

c. Topographic position - Circle position of quadrat



2. SITE DATA - Circle the correct response

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

% Bare ground 5(2%) Drainage well mod poor Wet All year winter/spring

Litter (% cover) 5% Surface soil grey-white Sub-surface soil grey sand
Matted soil - ?F1 Sand

3. VEGETATION STRUCTURE AND COVER Record appropriate cover class

LIFE FORM	TREES		MALLEES		
	over 15m 5-15m	under 5m	MALLEE SHRUB less than 8m	MALLEE TREE 8m or more	
COVER CLASS (%)	7.15m	N/A	N/A	N/A	
LIFE FORM	SHRUBS Adenanthera Calytrix	over 2m 2.0-1.5m 1.5-1.0m 1.0m - .5m under .5m	① Allocasuarina humilis, ④ Verticordia ⑤ Dens	SHRUBS	
COVER CLASS (%)	2-10%	(5%) 2-10%	(4%) 2-10%	10-20%	20-30%
LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES	
⑨	under 10cm	under .5m	Patersonia under .5m (except creepers)	Mesomelena over .5m under .5m	
COVER CLASS (%)	< 2%	< 2%	< 2%	2-10%	2-10%

Photograph

creepers

eg for bunchgrasses

undulate
leaf pea.

Narrow adenanthos

= bark in hole

Allocas.
humilis

Hakea
trifurcata

actual
point

Allocas.
humilis

Photo
8/1/91

Allocas.
adenanthos.

photo point

upright broken branch
with a tag.

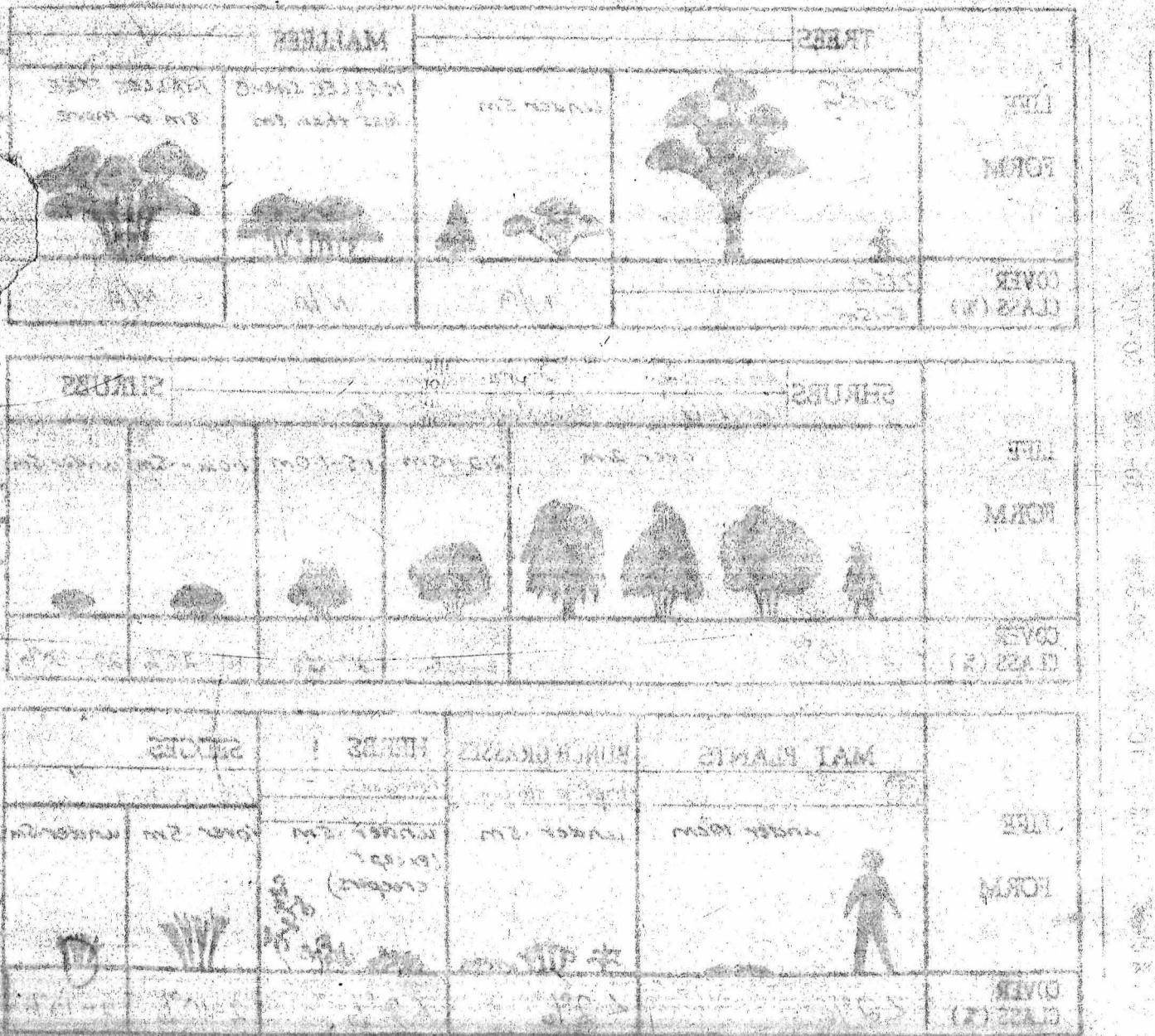
TACOMA 1000 ft 1010 AD

left

approximate peg
move 1m into smokebush
(NW)

Track

200 FT



Swan Coastal Plain Survey - SURVEY RECORDING SHEET

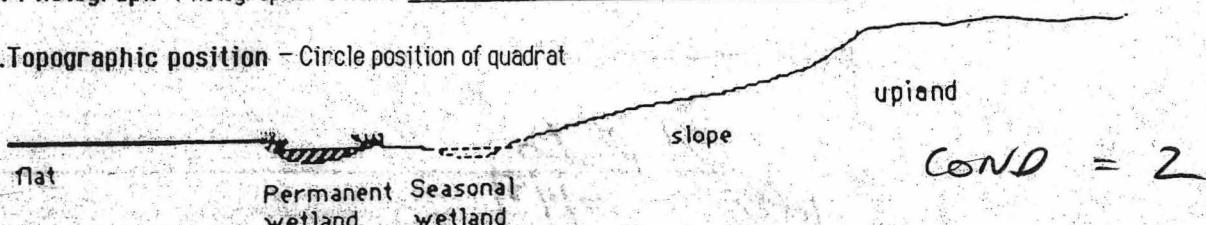
TMB 6
 QUADRAT NO. 6 VEGETATION TYPE (Marr Woodland)
 DATE TRIP 9.12.90 BOTANIST BJK
 VOLUNTEERS Herl Coy, Elen Gude, P. Fairall, Meg Evans

1. LOCATION of the QUADRAT

a. Mud Map Draw a sketch of the location of the quadrat the back of this sheet. →

b. Photograph Photographer's name _____

c. Topographic position - Circle position of quadrat

2. SITE DATA - Circle the correct response

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

% Bare ground 3% Drainage well mod poor Wet All year winter/springLitter (% cover) 20 Surface soil SAND Sub-surface soil yellow SoilMapped soil - ? F3. VEGETATION STRUCTURE AND COVER Record appropriate cover class

		TREES	Santalum Stenopogon		MALLEES		
LIFE	over 15m 5-15m		under 5m 2-10 (10)			MALEE TREE less than 8m 8m or more	
FORM							
COVER CLASS (%)	>15m 5-15m		2-10				

		SHRUBS	Aldenanthos cygnorum, Phragmites, Melocassia humilis, Haloxylon glabra					SHRUBS		
LIFE	over 2m		2.0-1.5m		1.5-1.0m		1.0m - 5m		under 5m	
FORM										
COVER CLASS (%)	17.5		nil	8.6	2	1.2				

		MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES
LIFE	under 10cm	under .5m	under .5m (except creepers)	over .5m	under .5m
FORM					
COVER CLASS (%)		2%	5%	20%	28%

Height (metres)

8 class 2-10% 10-20% 20-30% 30-50% 50-70% over 70%

S

Phbo
6/14/99

left
leg

leg?

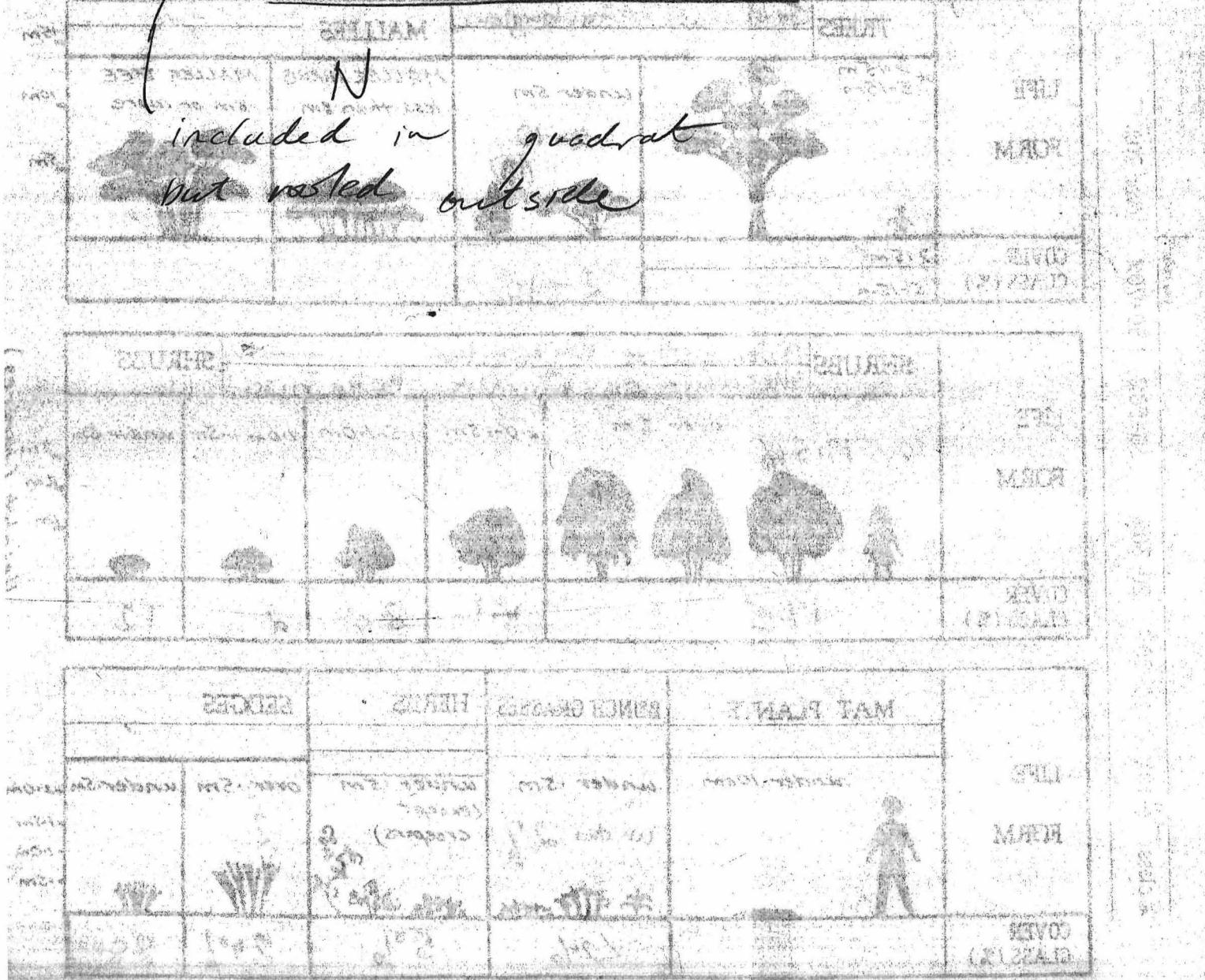
Jacksonia

Jacksonia

E Track

W

included in quadrat
but nested outside



SPECIES PRESENCE

- work systematically through the vegetation; start with the tallest stratum, i.e. trees
- within each stratum try to record the **most common species first** and the most uncommon last.
- as each species is collected **label** it with a numbered tag and use this number on your recording sheet
- indicate if the species is in flower

QUADRAT NO.
TAB 12

Keighery and Keighery, 1990
Adapted from Griffin and Keighery, 1989
MOORE RIVER to JURIEN SANDPLAIN
SURVEY. WILDFLOWER SOCIETY of WA

Trees

Wandoo

No Fl:

- * *Tritoglossum carpestrinum*
- Tritoglossum angustifolium*
- * *Avena fatua*
- * *Chadwickia cary*
- Goodenia caesulea* vsp.
- Chenopaxeros versicolor*
- Cassintha pubescens*
- * *Laxmannia ramosa*
- Burchardia umbellata*
- * *Pterostylis barbata*
- Orthocarpus pulchella*
- Lomandra preissii*
- Styloctenium brunneum*
- * *Hypochaeris glabra*
- Phthalacroladium perant.*
- * *Ulosimia anthemoides*

Mallees

No Fl:

- Taxodium ramosa*
- Burchardia umbellata*
- * *Pterostylis barbata*
- Orthocarpus pulchella*
- Lomandra preissii*
- Styloctenium brunneum*
- * *Hypochaeris glabra*
- Phthalacroladium perant.*
- * *Ulosimia anthemoides*

SHRUBS

No Fl:

- * *Hakea erinacea* ✓
- * *Hypocalymma angust.* ✓
- * *Grevillea ornata* ✓
- * *Hakea lissocarpha* ✓
- * *Synaphea acutiloba* ✓
- * *Thunbergia dicksonii* ✓
- * *Nemcia spath.* ✓
- * *Daviesia horrida* ✓
- * *Cryptandra arbutiflora* ✓
- * *Brachycaea camphorosmae*
- * *Hibbertia florula* ✓
- * *Calostoma sanguineum*
- * *Callitricha exstipoides* vsp ✓
- * *Hakea myrtoides*
- * *Acacia pulchella var glab.*
- Hibbertia TAB 12 15P ✓
- * *Hypocalymma angust.* ✓
- * *Thlaspi boraginaceum* prev ✓
- * *Metaleuca scoparia* ✓

Bunch Grasses

- Bromus maxima*
- Stipa pycnostachya*
- Neurolepis decolorans*
- Stipa pycnostachya*
- Cyperochaetae ovinaeae*
- Poa drummondiana*

Herbs

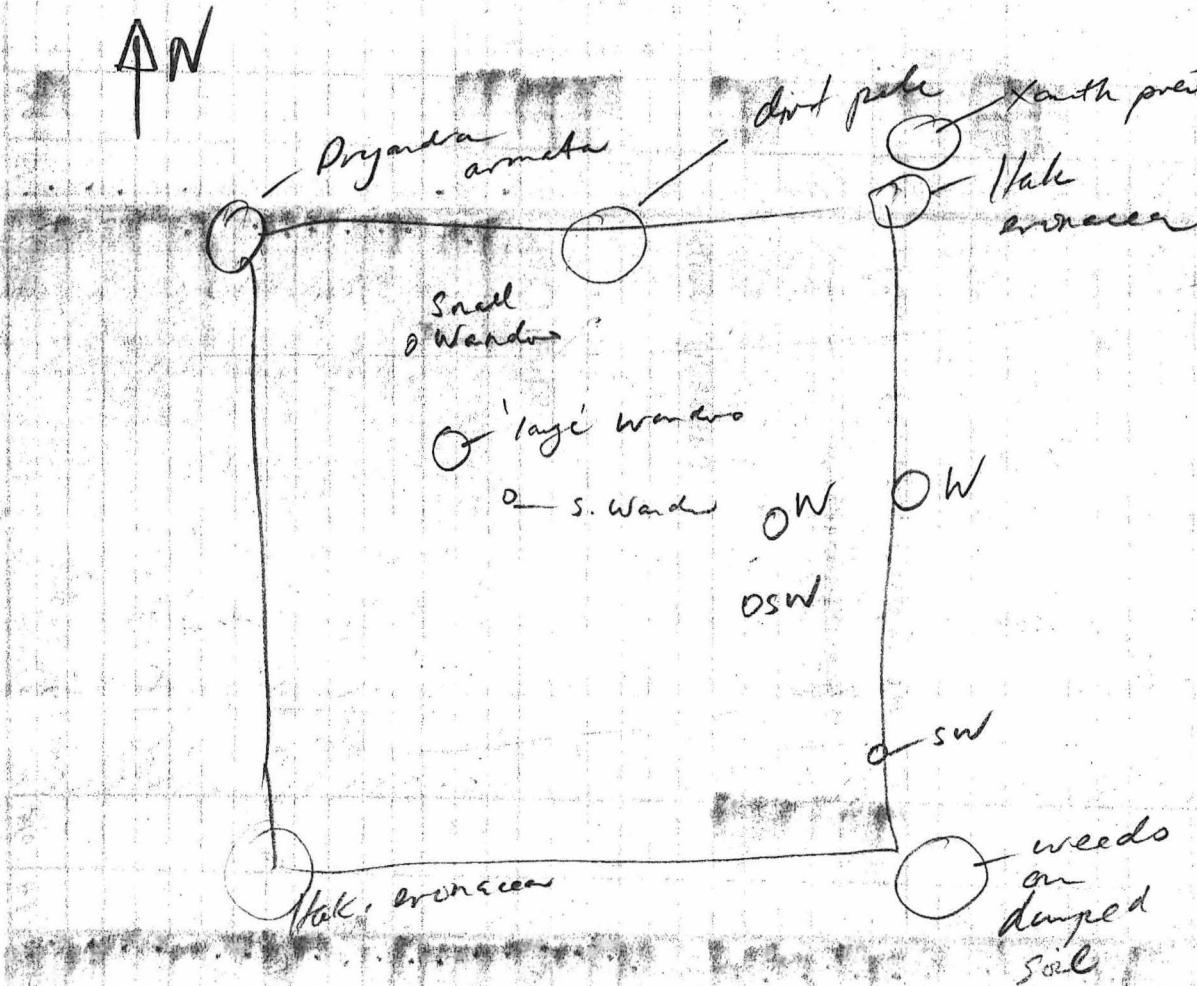
- Gonocarpus pithyoides*
- Xanthosia cordida*
- Sowerbya taxifolia*

No Fl:

- | No Fl: | No Fl: | No Fl: |
|--------------------------------|---------------------------------|--------|
| <i>Lomaria sphaerocephala</i> | <i>Lomatia squarrosa</i> | No Fl: |
| <i>Lageniflora huigensis</i> | <i>Strichoclone rosodontata</i> | |
| <i>Crasspedia pilophila</i> | <i>Chaemoscilla vesiculosa</i> | |
| <i>Cassia micrantha</i> | <i>Opercularia vaginata</i> | |
| <i>Romulea roscata</i> | <i>Styliodium affine</i> | |
| <i>Styliodium bulbiferum</i> | <i>Hypericum serratus</i> | |
| <i>Hypericum longifolium</i> | <i>Juncus longifolius</i> | |
| <i>Dros. erythrorhiza</i> | <i>Thysanotus myrsoides</i> | |
| <i>Asterolasidium cadilipe</i> | <i>Hesperantha tectoria</i> | |
| <i>Trochymene pilosa</i> | <i>Dioscorea mesreisisii</i> | |
| <i>Patersonia juncea</i> | | |

Sedges

- Lexocoryn cuneata*
- Lepidosperma tenue*
- Lepidosperma angust*
- Lepturus octander*
- Lexocoryn fascic.*
- Schoenus unispiculatus*
- Mesomelica tetrag.*
- Thelymitra short phl*
- = *cinnita*
- Thelymitra "yellow leaf"*
- Phrynobium (leaf only)*
- Cula dianae longicandia*
- Hypoxis occidentalis*



Adj - granite boulders,
Dichopogon precissii
Sympetrum
 Army. bird
Plex season

To RECORD: Start with the tallest or largest tree or shrub) TALBOT
 the SPECIES • Within each stratum record the most common species first and the most uncommon last.
 • give all species a NUMBER even if you give it a name.

TREES

Eucalyptus

F No

1

- Add's herbs
 8/8/91
 / Centrolepis aristata
 / Homalocladium homalocarpum
 / Pilosella manglesii
 / Chaenomelis coronaria
 / Thelymitra ciliolata
 / Thelymitra (long strap lv w)
 / Conostylis caricina
 / Lomatopoda hemaphrodita
 / * Lomula rosea
 / Caladenia huegelii
 / Pterostylis vittata

F No

1

- See Box 1
 ✓ Taxocarpus spathulata ✓ 29
 ✓ Comandra (min.) catymega ✓ 31
 ✓ Hypochaeris glabra ✓ 32
 ✓ Thlaspi elatior ✓ 34
 ✓ (Chaemoscilla) versicolor ✓ 35
 ✓ Drosera stolonifera ✓ 36
 ✓ St. John's Wort ✓ 37
 ✓ Monadenia bracteata ✓ 37
 ✓ * Briza minor ✓ 38
 ✓ Platysace occidentalis ✓ 39
 ✓ Sowerbaea laxiflora ✓ 40
 ✓ Haemadnum laxum ✓ 41
 ✓ Caladenia blue fairy deformis ✓ 42
 ✓ Gladiolus scaphyllum ✓ 43
 ✓ Trachymene pilosa ✓ 44
 ✓ Caesia macrantha ✓ 45
 ✓ Laxmannia sessiliflora ✓ 46
 ✓ Conostylis aculeata ✓ 47
 ✗ Ursinia anthemoides (56) ✓ 48
 ✓ Drosophila macrantha ✓ 49
 ✓ Drosophila glanduligera ✓ 50
 ✗ Podolepis lessonii ✓ 51

MALLEES

HURBS (indicate height classes)

X A. pectinella

X Xanthorrhoea preissii

X Kingia australis

X Habenaria rufescens

X Dryandra nivea

X Grevillea aristata

X Pterostylis biloba

X Petrophile linearis

X Grevillea bipinnatifida

X Crassula glomerata

X Hakea candeleana

X Hibbertia hypericoides

X Tempeltinia biloba

X Hibbertia huegelii

X Daviesia decurvens

X Scaevola sp. pallidosa

X Boscia sp. perfoliata

X Acacia sessilis

X Siliquaria latifolia

X Xanthosia huegelii

X Domellaria farsa = Ac. wild

X Gompholobium confertum

✓8 Acacia willdenowiana

2

11/91
 CENTRAL: drumm
 Siloxerus humifusus
 Hydrocotyle pilifera
 Dros. glanduligera
 Triglochin clavata
 Actinotus leuco.
 Stipa compressa

MAT PLANTS

30

* Enchylaena tectorum

BUNCH GRASSES

31

* Anthoxanthum turbinatum

32

* Poa drummondiana

33

* Dactylis glomerata ssp. sphaeroides

34

* Stipa cynostachya

35

* Neurachne alopecuroides

36

(Bumblebee Grass) * Briza maxima

37

* Thysanotus manglesianus

38

* Antennaria manglesii

39

* Portulaca gracilis

SEOGES (indicate height classes)

X Lygina barbata ✓ 45

X Poa fascicularis ✓ 46

X Schoenus curvifolius ✓ 48

X Mesomelica nitida ✓ 49

X Lepidosperma angustatum ✓ 51

X Tetragonia decandra ✓ 52

X Mesomelica bristlygra ✓ 53

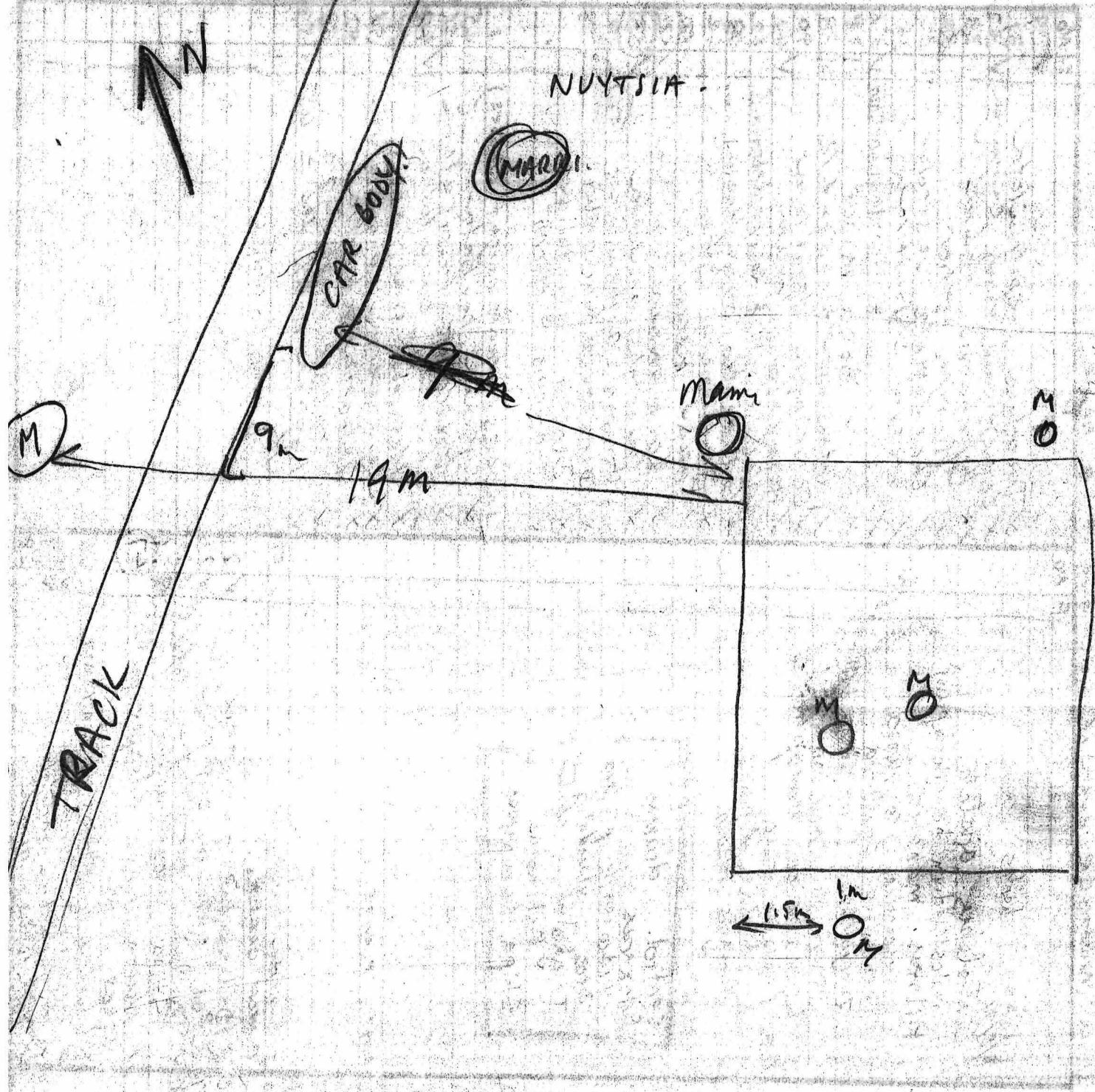
✓ Lygina barbata = 45 ✓ 59

8/8/91 Schoenus brevifolius

NUYTSIA -

(MARDI)

CAR body.



SWAN COASTAL PLAIN

(Please use pencil not biro)

QUADRAT No. TALB 3

DATE FIRST TRIP 28.10.90

DATE SECOND TRIP 8/8/91

VOLUNTEERS FIRST TRIP Allen, Sharr, Rob.

SURVEY RECORDING SHEET

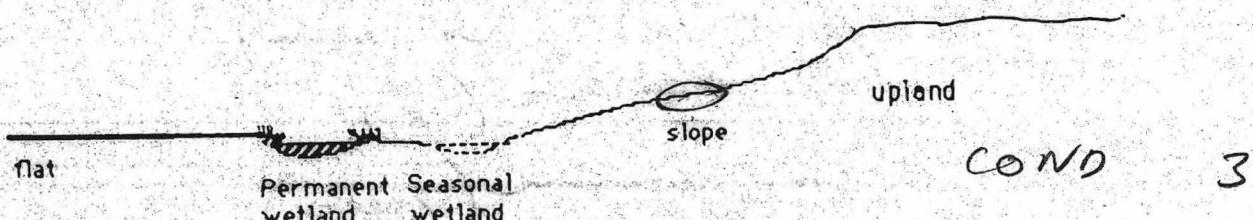
VEGETATION TYPE Banksia Woodland

BOTANIST B. G. Keighery

BOTANIST GTC, BVK

VOLUNTEERS SECOND TRIP 11/91 GTC, BVK.

1. TOPOGRAPHIC POSITION - Circle position of quadrat



2. SITE DATA - Circle correct response or complete

Slope flat, gentle, steep Aspect N, NE, E, SE, S, SW, W, NW% Bare ground 5-10. Drainage: well or mod or poor Wet: All year or winter / spring

Litter (% cover) 30-70% Surface soil white/grey Sub-surface soil grey/pale brown sand
 Mapped soil ?F (King & Wells, 1980) Sandy (clay)

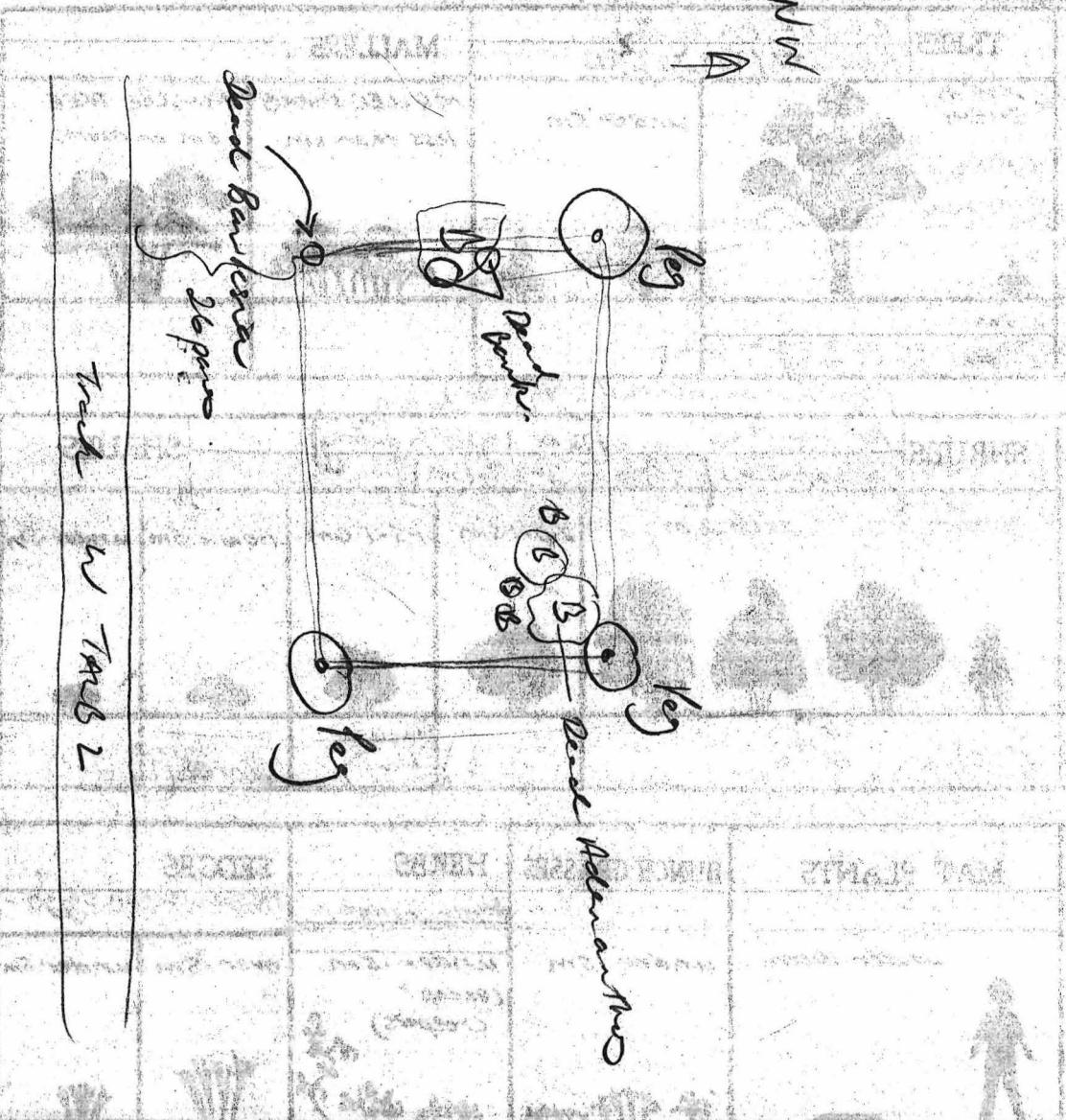
3. VEGETATION STRUCTURE AND COVER (Record appropriate cover class)

LIFE FORM	TREES	MALLEES			
	Banksia menziesii (3%) Adenanthera (1-20% patchy)	MALLEE SHRUB less than 8m	MALLEE TREE 8m or more		
Cover Class (%)	2-10% (3)				
LIFE FORM	SHRUBS	SHRUBS			
	Calytrix angustata (6%, 1.0m) patchy Adenanthera egg (2m 1-20% patchy) Canopodium (1.5-2.0m, 3-5% (out))	SHRUBS			
Cover Class (%)	2-10% (2%)				
LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS		
	under 10cm	under .5m	Witch grass		
Cover Class (%)					
Cover	+	(1m ²)	2-10 (6m ²)	6m < 1m ²	10-20 (12m ²)

Deaths: significant no of dead plants

- Banksia (5 specimens)
- Adenanthos (1 sp)
- Conospermum (7 spec)

Cover dead spec = 10 - 20% (20%)



SWAN COASTAL PLAIN
(Please use pencil not biro)

SURVEY RECORDING SHEET

QUADRAT No. TALB 1

DATE FIRST TRIP 28 10 90

DATE SECOND TRIP 8/8/91

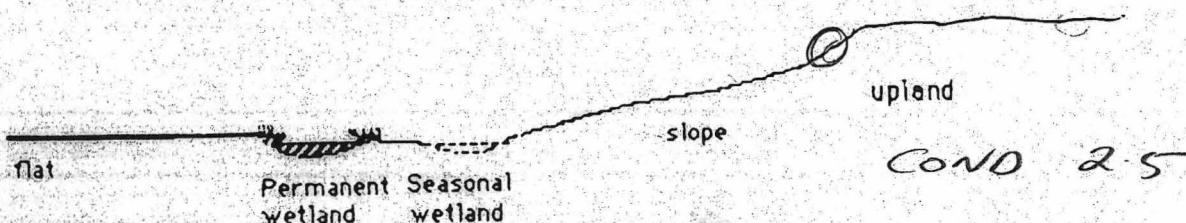
VOLUNTEERS FIRST TRIP Ellen, Neil

VEGETATION TYPE HAKEA TRIPLURCATA HEATHLAND
BOTANIST A. & B. KEIGHERY
BOTANIST GJK, GJK
Peter / BHS BACKHOUSE / MAUREEN / GEOFF / MARY / JAN

VOLUNTEERS SECOND TRIP 11/91

9/12/91

1. TOPOGRAPHIC POSITION - Circle position of quadrat



2. SITE DATA - Circle correct response or complete

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

% Bare ground 2-5% Drainage: well or medium or poor Wet: All year or winter / spring

Litter (% cover) + (2-10%) Surface soil bare brown Sub-surface soil bare yellow brown
Mapped ? F6 (King & Wells 1980) varies to laterite Sandy loam

3. VEGETATION STRUCTURE AND COVER (Record appropriate cover class)

LIFE FORM	TREES		MALLEES	
	over 15m 5-15m	under 5m	MALLEE SHRUB less than 8m	MALLEE TREE 8m or more
COVER CLASS (%)	>15m 5-15m			

LIFE FORM	SHRUBS					SHRUBS
	over 2m	2.0-1.5m	1.5-1.0m	1.0m - .5m	under .5m	
COVER CLASS (%)						

LIFE FORM	MAT PLANTS		BUNCH GRASSES		HERBS		SEDGES	
	under 10cm	over 10cm	under .5m	over .5m	under .5m	over .5m	under .5m	over .5m
COVER CLASS (%)								

TALB

Cover % class 33 2-10% 10-30% 30-70% over 70%

Height (metres)

-1.5m
-1.0m
-0.5m

0m

Banksia caryophyllacea

Lepido sterma - sedge

laxmannia

Xanthorrhoea - shrub

N

Red oak

marl
TREE

top
open

TREE
on
edge
of
open
park

O'Connor Rd -
Brisbane Rd

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

QUADRAT NO.

TALBOT 4

VEGETATION TYPE

Native Woodland

DATE TRIP

9.12.90

BOTANIST

N.G.

VOLUNTEERS

Kate, Karen, Jennifer, Barbara, Rodney, Rae

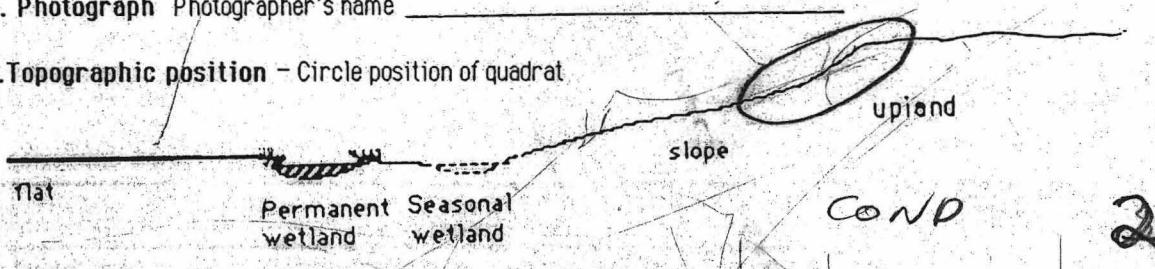
1. LOCATION of the QUADRAT

S.W. corner of quarry

a. Mud Map Draw a sketch of the location of the quadrat the back of this sheet. →

b. Photograph Photographer's name _____

c. Topographic position - Circle position of quadrat



2. SITE DATA - Circle the correct response

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

% Bare ground 2% Drainage well mod-poor Wet All year winter/spring

Litter (% cover) 2-10% Surface soil grey sand Sub-surface soil grey sand

Mapped soil - ?

3. VEGETATION STRUCTURE AND COVER

Record appropriate cover class

LIFE FORM	TREES		MALLEES	
	over 15m 5-15m	under 5m	MALLEE SHRUB less than 8m	MALLEE TREE 8m or more
COVER CLASS (%)	7-15% 5-15m	2-10%	-	-

LIFE FORM	SHRUBS				
	over 2m	2.0-1.5m	1.5-1.0m	1.0m-0.5m	under 5m
COVER CLASS (%)	20-30%	20-30%	-	-	2-10%

LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES
	under 10cm	under .5m	under .5m (except creepers)	Harperia
COVER CLASS (%)	-	-	2-10%	-

Height (metres)

Over 70%
50-70%
30-50%
20-30%
10-20%
2-10%
% class

CTV22 (2)
COADS

HOSH

DIRE

down and across

INTERVIEW

BRUNO OLYXX

(LAWRENCE)

LEWIS

TAC 514
TAC 514

at left

MUCH

THE

PUGSLEY

BUCK
BOYS

left side

photo
6/14/71

O
Dorn

Photo
6/12/71

LUCK

THE

SOFT
TYPE

2 AM 9 VIVIAN FIVE TIME VIB COADS VIB COADS 9:00 PM 1966 8:00 PM

FIFTEEN CENTS SET SELLING GOURDS 200 3119C6 2011

X BALE BUILDING SET BUSHES AND WOOD IN THE FOREST - VIB COADS

2006 - 5:10 - 09101 - 5:30 - VIB COADS 2006 - 5:30 - VIB COADS
STRUCTURE - ONE OF THE VIB COADS

RENTED - VIB COADS
FOR LONG TERM TENURE

WALK FOREST

C ROADHOUSE HOSPITAL - GROUP TOOK OVER DISCUSSION

D BIRD WATCHERS KILLED WITH A RIFLE

E WIND DUST - VIB COADS 2006 - 5:30 - VIB COADS 2006 - 5:30 - VIB COADS

F TOWER OF THE CHIEF

G VIB COADS 2006 - 5:30 - VIB COADS 2006 - 5:30 - VIB COADS

H DATE LINE

I VIB COADS 2006 - 5:30 - VIB COADS 2006 - 5:30 - VIB COADS

J ASU LUPPISI BIRIN VIB COADS - 5:30 - VIB COADS

K VIB COADS 2006 - 5:30 - VIB COADS 2006 - 5:30 - VIB COADS

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

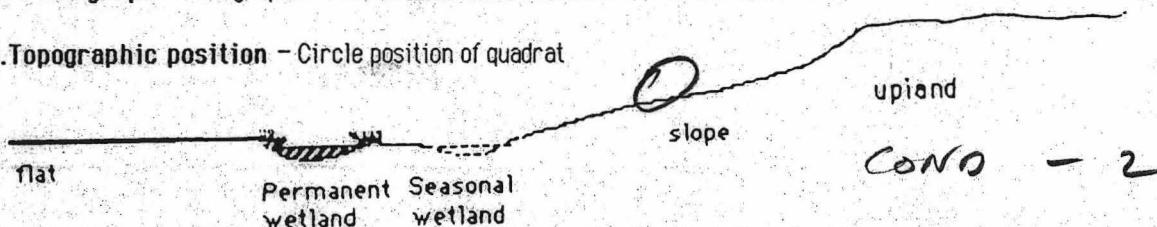
✓ QUADRAT No. TAB 111 (was X) VEGETATION TYPE Banksia Woodland
 DATE TRIP 9/12/1990 BOTANIST Greg Keay
 VOLUNTEERS Merv Coy, Ellen Lunde, Pauline Farrel, Marg Evans.

1. LOCATION of the QUADRAT

a. Mud Map Draw a sketch of the location of the quadrat the back of this sheet. →

b. Photograph Photographer's name _____

c. Topographic position - Circle position of quadrat



2. SITE DATA - Circle the correct response

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

% Bare ground 6% Drainage well mod poor Wet All year winter/spring

Litter (% cover) 20% Surface soil white sand Sub-surface soil grey silt

3. VEGETATION STRUCTURE AND COVER

Record appropriate cover class

		TREES		MALLEES			
		<i>Banksia alt. sparsa</i>		<i>MALLEE SHRUB</i> less than 8m		<i>MALLEE TREE</i> 8m or more	
LIFE FORM		over 15m 5-15m	under 5m				
COVER CLASS (%)	7/15m 5-15m			20%			
		SHRUBS		<i>Micrasuarina humilis, Jacksonia</i> <i>densiflora, Conospermum spachadii</i>		SHRUBS	
LIFE FORM		over 2m	2.0-1.5m	1.5-1.0m	1.0m - .5m	under .5m	
COVER CLASS (%)					9%	10%	6%
		MAT PLANTS		BUNCH GRASSES		HERBS	
LIFE FORM		under 10cm	under .5m	under .5m (except creepers)		over .5m	under .5m - 1.0m
COVER CLASS (%)		0		2%	3.5%	25%	05%

Height (metres)

Over 70%
50-70%
30-50%
20-30%
10-20%
2-10%

15m

10m

5m

3m

2m

1m

.5m

-1.5m

-1.0m

-5m

3 dead Banksias
10 Banksia seedlings

Photo taken 6/1/1991 - shows 10 Banksia seedlings and 3 dead Banksias.

recently
dead
Banksia

WILLOW

recently
dead
Banksia

dead
bank
spacex

photo
6/1/1991

take

take

X

photo

6/1/1991

All

Banksia

checklist

Cyathodes
grass picture 6/1/1991

checklist

checklist

checklist

checklist

checklist

MAR

REVIS

6/2/22/91

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

QUADRAT No. T8

DATE TRIP 9.12.90

VOLUNTEERS L. Boyce, K & N. Frederiksen, R. Graham

VEGETATION TYPE Heath

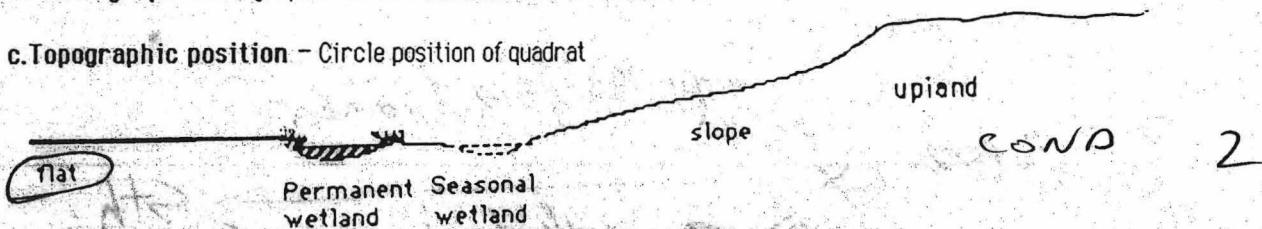
BOTANIST Greg K

1. LOCATION of the QUADRAT

a. Mud Map Draw a sketch of the location of the quadrat the back of this sheet. →

b. Photograph Photographer's name _____

c. Topographic position - Circle position of quadrat



2. SITE DATA - Circle the correct response

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

% Bare ground 5-10 Drainage well mod poor Wet All year winter/spring

Litter (% cover) 45 Surface soil sand Sub-surface soil sandy clay
under shrubs

3. VEGETATION STRUCTURE AND COVER

Record appropriate cover class

Mapped Soil - F1

LIFE FORM	TREES		MALLEES	
	over 15m 5-15m	under 5m	MALLEE SHRUB less than 8m	MALLEE TREE 8m or more
COVER CLASS (%)	>15m			
	5-15m			

LIFE FORM	SHRUBS				
	over 2m	2.0-1.5m	1.5-1.0m	1.0m - .5m	under .5m
COVER CLASS (%)	1 - <i>Hakea ruscifolia</i>				
	2-10%	50-70%	2-10%		

LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES	
	under 10cm	under .5m	under .5m (except creepers)	over .5m	under .5m
COVER CLASS (%)	2-10	2-10	No	~1%	2-10%

Height (metres)

3m

2m

1m

.5m

.5m

.5m

.5m

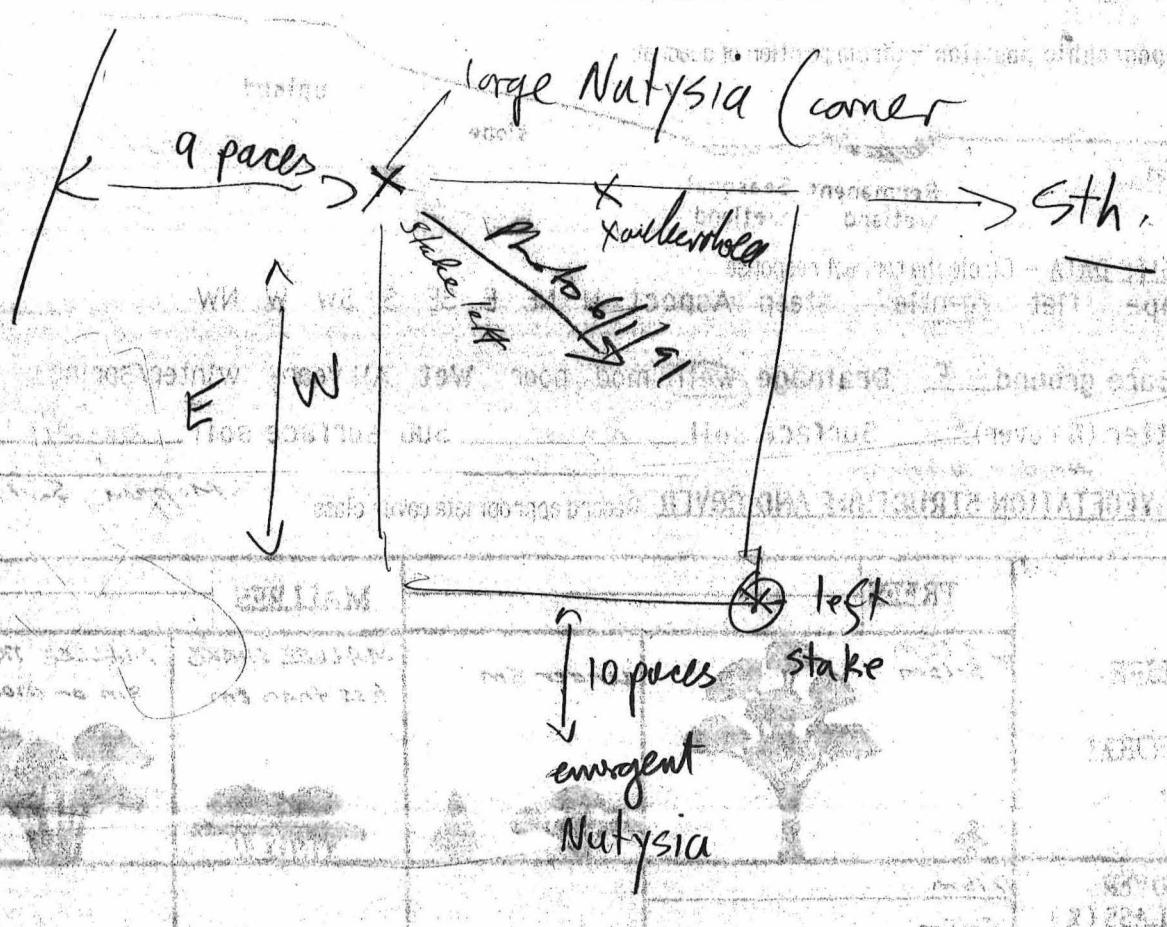
.5m

.5m

.5m

.5m

.5m



STATION	STATION	STATION	STATION
1000	1000	1000	1000
1000	1000	1000	1000

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

QUADRAT NO. TRB 9

DATE TRIP 9/12/20

VOLUNTEERS Helen, Kal, Rosemary

VEGETATION TYPE Heathy

BOTANIST G Keighley

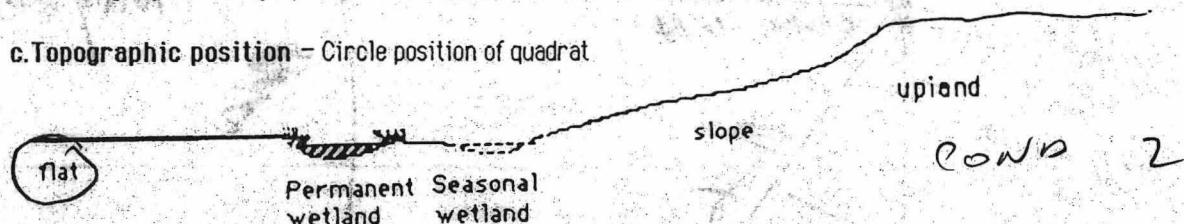
Rosemary, domine

1. LOCATION of the QUADRAT

a. Mud Map Draw a sketch of the location of the quadrat the back of this sheet. 

b. Photograph Photographer's name _____

c. Topographic position - Circle position of quadrat



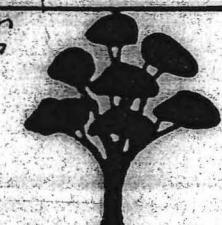
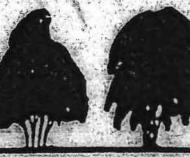
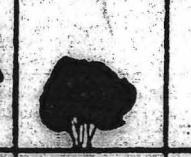
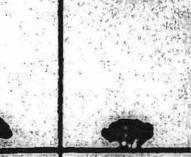
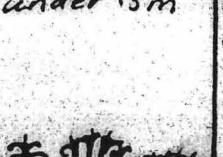
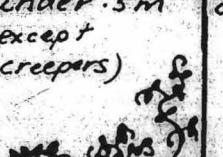
2. SITE DATA - Circle the correct response

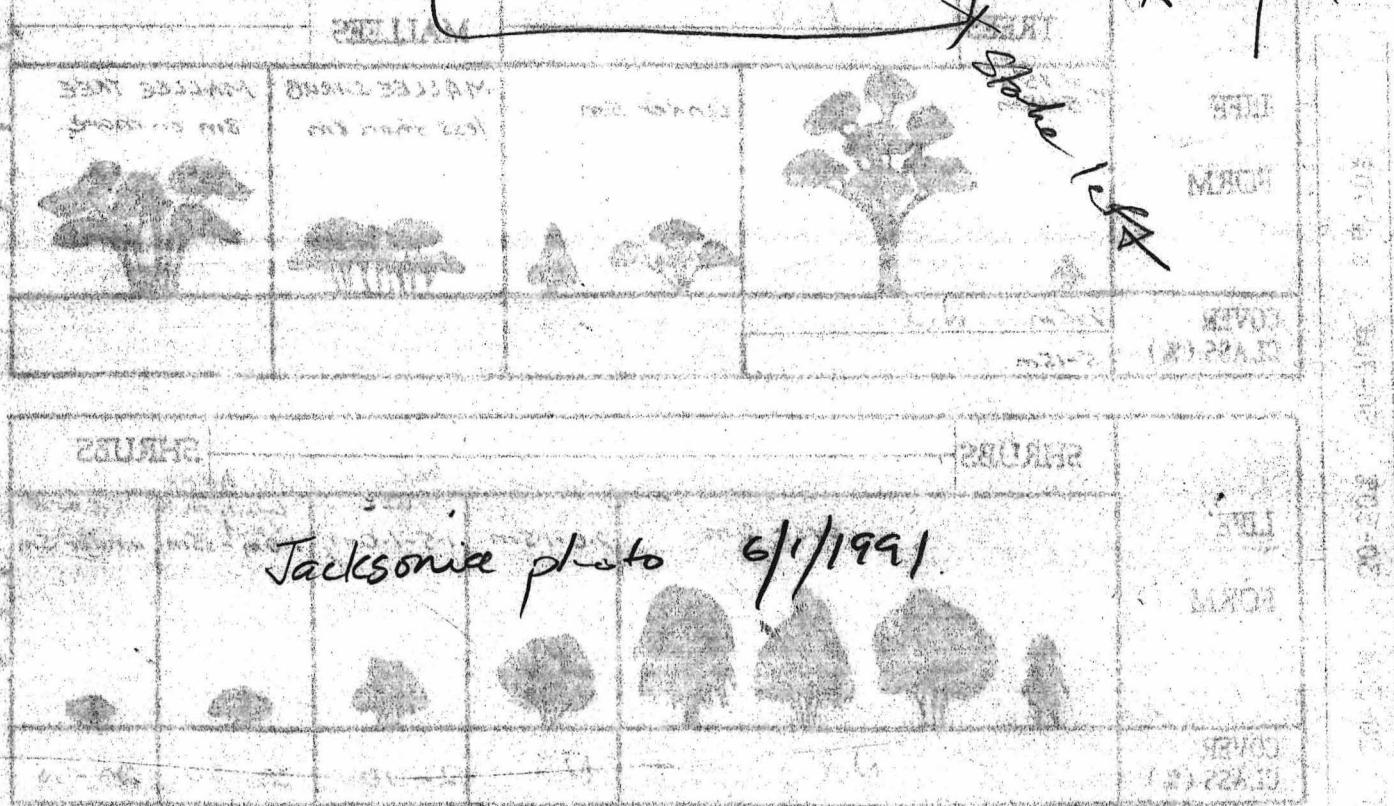
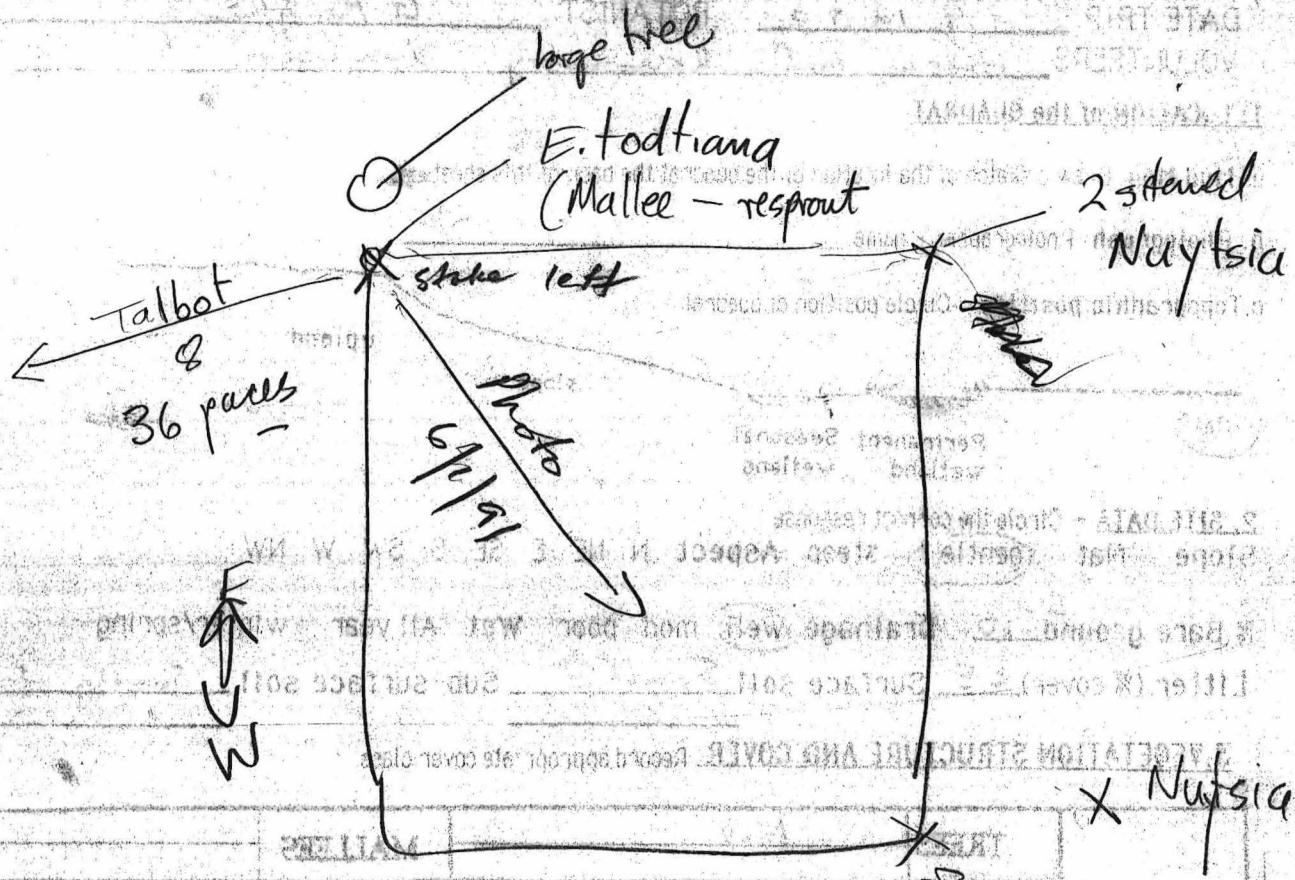
Slope flat gentle steep Aspect N NE E SE S SW W NW

% Bare ground 5 Drainage well mod poor Wet All year winter/spring

Litter (% cover) < 5 Surface soil Sand Sub-surface soil Sandy clay

3. VEGETATION STRUCTURE AND COVER Record appropriate cover class

		TREES		MALLEES			
		<u>Nil</u>		<u>Nil</u>			
LIFE FORM		> 15m or 5-15m		under 5m		MALLEE SHRUB less than 8m	
COVER CLASS (%)		<u>Nil</u>					
Over 70%						15m	
50-70%						10m	
30-50%						5m	
20-30%							
10-20%							
2-10%							
		SHRUBS		SHRUBS			
		<u>Nil</u>		<u>Nil</u>			
LIFE FORM		over 2m		2.0-1.5m		1.5-1.0m	
COVER CLASS (%)		<u>Nil</u>		<u>Nil</u>		100% 1.0m-1.5m under 1.5m	
3m							
2m							
1m							
Height (metres)							
		MAT PLANTS		BUNCH GRASSES		HERBS	
		<u>Nil</u>		<u>Nil</u>		<u>Nil</u>	
LIFE FORM		under 10cm		under .5m		under .5m (except creepers)	
COVER CLASS (%)		<u>< 2</u>		<u>< 2</u>		<u>< 10</u>	
mixed.							
over .5m							
.15m							
.10m							
.05m							



STAGING	PATERN	GRADING	CHURN TIME
NO. 1	NO. 2	NO. 3	NO. 4
NO. 1	NO. 2	NO. 3	NO. 4
NO. 1	NO. 2	NO. 3	NO. 4

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

TAB 10
was TAB 79

BANKSIA

QUADRAT No.

VEGETATION TYPE

~~MALLE~~

WOODLAND

DATE TRIP

9-12-90

BOTANIST

NEIL

VOLUNTEERS

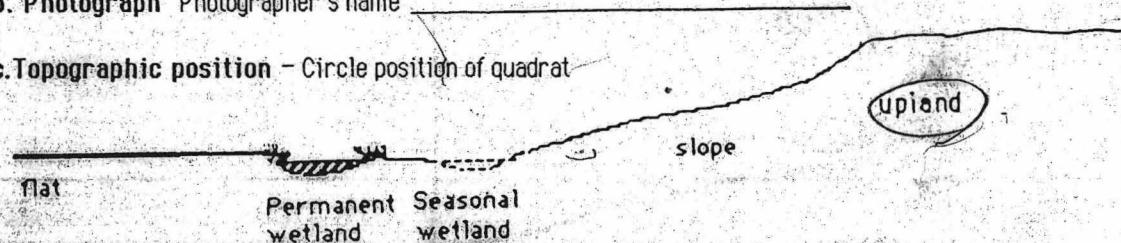
KATE, KERIN, JENNIFER, BARBARA, RODNEY, RAE

1. LOCATION of the QUADRAT

a. Mud Map Draw a sketch of the location of the quadrat the back of this sheet.

b. Photograph Photographer's name

c. Topographic position - Circle position of quadrat



2. SITE DATA - Circle the correct response

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

% Bare ground ← 2 Drainage (well) mod poor Wet All year winter/spring

Litter (% cover) ← 2 Surface soil grey Sub-surface soil grey

Mapped Soil - 1/51

3. VEGETATION STRUCTURE AND COVER Record appropriate cover class

LIFE FORM	TREES		MALLEES		
	<i>Banksia attenuata</i> <i>B. menziesii</i>	over 15m 5-15m	under 5m	<i>MALLEE SHRUB</i> less than 8m	<i>MALLEE TREE</i> 8m or more
COVER CLASS (%)	>15m 5-15m	9	—	—	—
	5-15m	20-30	—	—	—

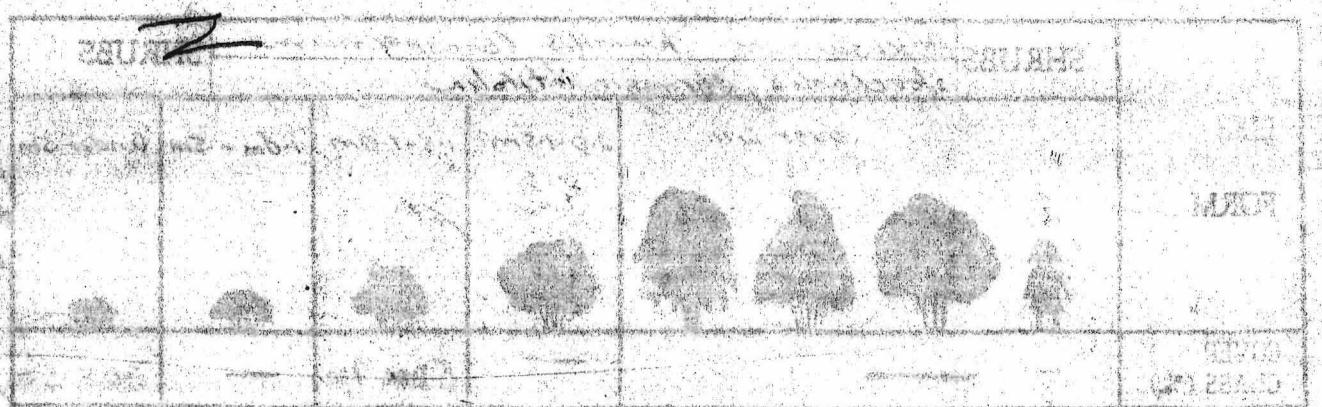
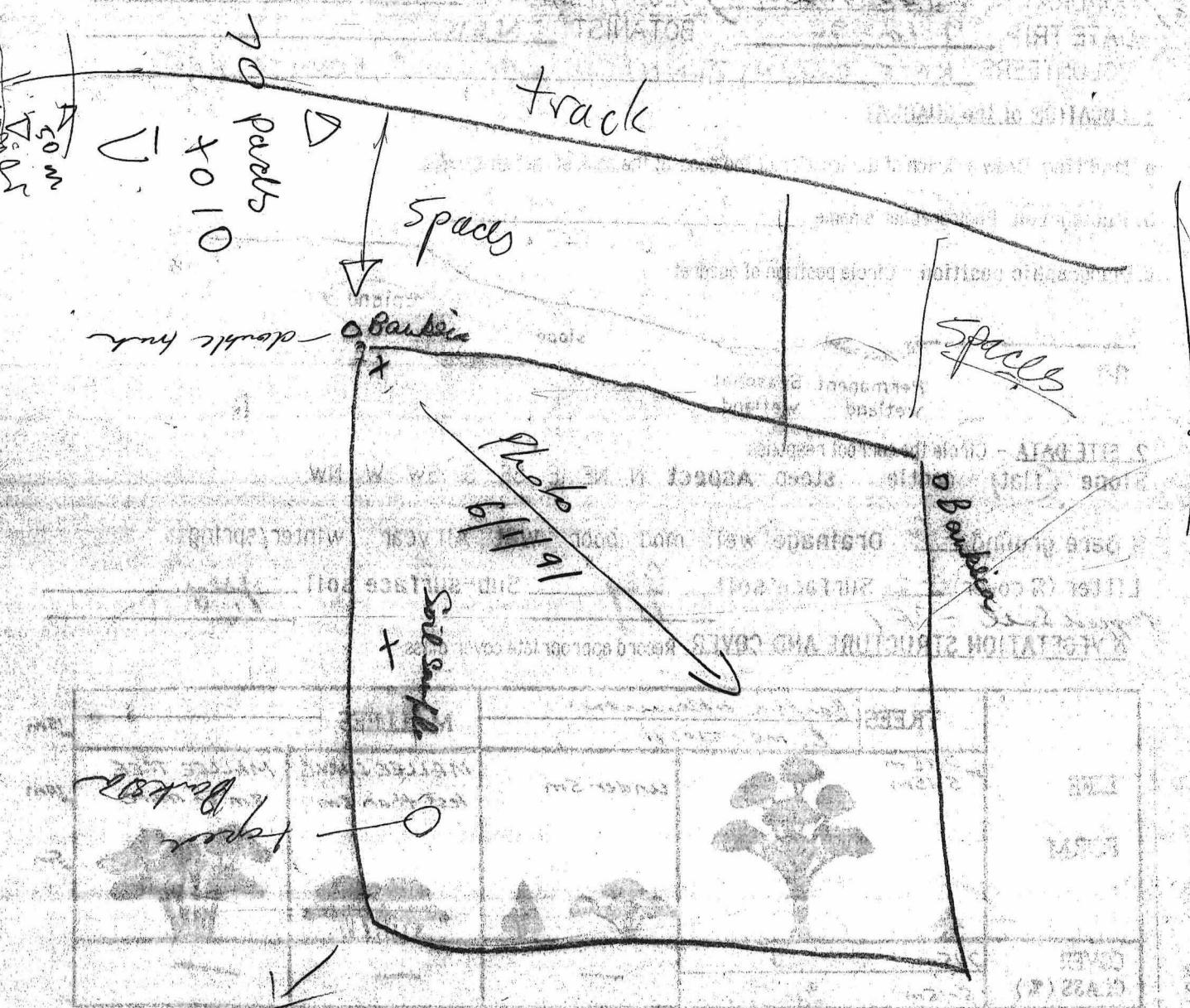
LIFE FORM	SHRUBS				
	<i>Allocasuarina humilis</i> <i>Conospermum spiculatum</i> , <i>styphelia latifolia</i>	over 2m	2.0-1.5m	1.5-1.0m	1.0m-.5m under 5m
COVER CLASS (%)	—	—	50-70	—	30-50
	—	—	—	—	—

LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES
	under 10cm	under .5m	under .5m (except creepers)	over .5m
COVER CLASS (%)	—	—	10-20	2-10
	—	—	10-20	2-10

Height (metres)
NO confuser

.15m
.10m
.05m

edge O'Connor Rd



Soil	Shrub	Flower	Groundcover	Tree
Soil	Shrub	Flower	Groundcover	Tree
Soil	Shrub	Flower	Groundcover	Tree
Soil	Shrub	Flower	Groundcover	Tree

✓ Swan Coastal Plain Survey - SURVEY RECORDING SHEET

QUADRAT NO TAB 7

DATE TRIP 9/12/90

VOLUNTEERS DERRIDA, SUE,

VEGETATION TYPE SDW

BOTANIST B. REIGLEY

SYNOPSIS STOW

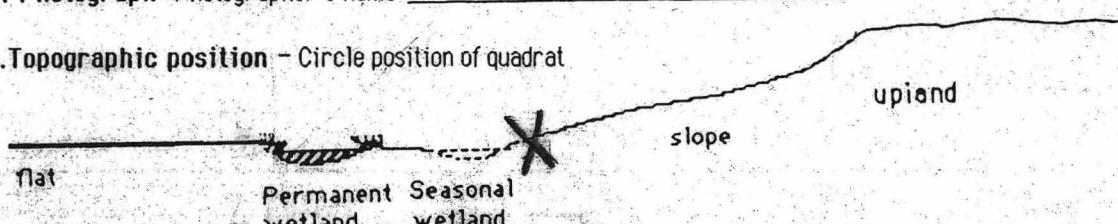
HBAH

1. LOCATION of the QUADRAT

a. Mud Map Draw a sketch of the location of the quadrat the back of this sheet.  See Over

b. Photograph Photographer's name _____

c. Topographic position - Circle position of quadrat



2. SITE DATA - Circle the correct response

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

% Bare ground 2-10% Drainage well mod poor Wet All year winter/spring

Litter (% cover) 2-10% Surface soil light grey sand Sub-surface soil med grey sand

Mapped line -?/-

3. VEGETATION STRUCTURE AND COVER Record appropriate cover class

LIFE FORM	TREES			MALLEES	
	over > 15m 5-15m	NIL	under 5m	MALLEE SHRUB less than 8m	MALLEE TREE 8m or more
COVER CLASS (%)	2-10% NIL				
	5-15m				

LIFE FORM	SHRUBS					SHRUBS
	over 2m	2.0-1.5m	1.5-1.0m	1.0m-.5m	under .5m	
COVER CLASS (%)	NIL	2-10%	2-10%	10-20%	10-20%	

LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES
	under 10cm	under .5m mostly annuals	under .5m (except creepers)	over .5m
COVER CLASS (%)	NIL	2-10% +	10%-20% -	Less than 2%

Height (metres)

3m
2m
1m

GR-22187
CO-28

SIMS
11/11

Vase classes

- age { height
- size { width
- -

shape

size

shape
size

WATER 2000 2000 2000 2000 2000

CLASS 2
CERAMIC
MATERIAL 2000

X12 0/6

INTL LITV DUNLOP 2000 2000 2000 2000 2000

0/6

INTL LITV DUNLOP 2000 2000 2000 2000 2000

2000

1000
STANDARD

1000
2000

Photo
S-12

OCCURRENCE

8

6

4

2

0

2

4

6

8

10

12

14

16

18

20

22

24

26

28

30

32

34

36

38

40

42

2

4

6

8

10

12

14

16

18

20

22

24

26

28

30

32

34

36

38

40

42

44

46

48

50

52

2

4

6

8

10

12

14

16

18

20

22

24

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42

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48

50

2

4

6

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42

44

46

48

50

SPECIES PRESENCE

... IN ORDER OF DENSITY IN DUG UP VEGETATION, START WITH THE LATEST STRATUM, I.E. TREES

- within each stratum try to record the **most common species first** and the most uncommon last.
- as each species is collected **label** it with a numbered tag and use this number on your recording sheet
- indicate if the species is in **flower**

Keighery and Keighery, 1990
 Adapted from Griffin and Keighery, 1989
 MOORE RIVER to JURIEN SANDPLAIN
 SURVEY. WILDFLOWER SOCIETY of WA

QUADRAT No.

TALE B 13

Trees

Eucalyptus wandoo	✓	No	Fl
Eucalyptus calophylla	✓	No	Fl

Drosera erythrorhiza	✓	No	Fl
* Briza maxima	✓	13	
Thysanotus patersonii	✓	14	
Xanthosia cordata	✓	15	
Opercularia vaginata	✓	16	
Phelomyntis clinata	✓	17	
Catsia micrantha	✓	18	
Trechocline spathulata	✓	19	
Eryngium pinnatifidum	✓	20	
Coccinia coerulea	✓	21	
Pholcus stirlingii	✓	22	

Mallees

Hakea trifurcata	✓	3
Hakea undulata	✓	4
Hakea lissocarpa	✓	5
Acacia pulchella var. glab.	✓	6
Nemcia spathulata	✓	7
Leucopogon polymorphus	✓	8
Melaleuca leprosa	✓	9
Pimelea imbricata	✓	10
Xanth. preissii	✓	11

Mat Plants

Neurachne alopecuroides	✓	23	
Stipa pycnostachya	✓	24	

Herbs

Hesperantha calcarata	✓	25	
Watsonia sp	✓	26	
Stylidium brunonianum	✓	27	
Tomasia ciliata	✓	28	

Burchardia umbellata	✓	No	Fl
Lacmannia squarrosa	✓	30	
Lechenaultia biloba	✓	31	
Lomandra sparsa	✓	32	
Monotropa scutellatum hamat.	✓	33	
Hydrocotyle peltifera	✓	34	
Tribonanthus brachypetaloides	✓	35	
* Hypochaeris glabra	✓	36	
* Meladrodus caryphyllaceus	✓	37	
Drosera macrantha	✓	38	
Cassystha pubescens	✓	39	
Drosera menziesii	✓	40	
Phragmipodium sp	✓	41	
Lacmannia squarrosa	✓	42	
Thysanotus thyrsoides	✓	43	
Chamaescilla tescicolor	✓	44	
Dichopogon preissii	✓	45	
Lageniformis haegeli	✓	46	
* Pomerilla rosea	✓	47	
Bartsia sphaerocephala	✓	48	
Stylidium bulbiferum	✓	49	
Sedges			
Cyperochlaena avenacea	✓	50	
Loxocarya cinerea	✓	51	
Rapidosperma tenuifolium	✓	52	
Rapidosperma angustifolium	✓	53	
Loxocarya fasciculata	✓	54	

To RECORD - start with the most common stratum (tree or shrub)
 the SPECIES • within each stratum record the most common species first and the most uncommon last.
 • Give all species a NUMBER even if you give it a name.

TREES

Eucalyptus wandoo ✓
Mallee (Seedlings)

No

17

Herbs

9/8/91

- Drosera erythrorhiza* ✓
- Drosera macrantha* ✓
- Hypoxis occidentalis* ✓
- Isotoma petiolaris* ✓
- Oxandra multiflora* ✓
- Caelea microantha* ✓
- Thysanocarpus manglesianus* ~ ✓
- Thelymitra sp1 = crinata* ✓
- Thelymitra sp2 = crenulata* ✓
- Thelymitra sp1* ✓
- Pterostylis recurva* ✓
- Caladenia sp = gemmata* ✓

MALLEES

HRUBS (indicate height classes)

- N. R. Euc. Replicata* ✓ 1
- N. undulata* ✓ 2
- Bauhinia purpurea* ✓ 4
- Allocasuarina humilis* ✓ 5
- Nakea incrassata* ✓ 6
- Grevillea sanguinea* ✓ 7
- N. R. Euc. erinacea* ✓ 8
- Grevillea pulchella* ✓ 9
- Grevillea diffusa* ✓ 10
- Cryptandra pungens* ✓ 11
- Grevillea hyperborea* ✓ 12
- Melaleuca glabra* ✓ 13
- Grevillea condensata* (gg) ✓ 14
- Grevillea preissii* ✓ 15
- Grevillea integrifolia* ✓ 16
- Grevillea polymorpha* ✓ 17
- Breckia camphorata* ✓ 18
- Grevillea acutifolia* (smg) ✓ 19
- Grevillea acutifolia* sp? 21
- Grevillea angustifolia* ✓ 22
- Grevillea rugosa* ✓ 23
- Acacia erioloba* erioloba ✓ 24
- Grevillea marginata* ✓ 25
- Grevillea cinerascens*? 27
- = SPA Perth Flora 31

No

1

- Leavenhookia stipitata* ✓ 34
- Portulaca candida* ✓ 35
- Opuntia? amara* ✓ 38
- Hypochaeris umbellata* ✓ 40
- Desmodium* ✓ 39
- Asperula racemosa* ✓ 41
- Epacris caerulea* ✓ 42
- Thlaspi ciliata* versicolor ✓ 43
- Hypolepis rotula* ✓ 44
- Grevillea quadrangularis* ✓ 46
- Guildfordia komulea rosea* ✓ 47
- Scrophularia* ✓ 48
- Drosera menziesii* ✓ 49
- Dichrostachys marginata* sp 49
- Grevillea corophylla* (acerosa) ✓ 50
- Grevillea hypoleptis* nigra? ✓ 51
- Grevillea granulata* ✓ 58
- Grevillea ciliata* ciliata ✓ 59
- Compositae ✓ 60
- AOI "Tropic of Tumulus"

Many seedlings

Heh but
Xan. clad.
11/91

Levenhookia pusilla	✓
<i>Homalocladium homalosporum</i> ✓	
<i>Goodenia filiformis</i> var. <i>multiflora</i> ✓	
<i>Siloxerus humifusus</i> ✓	
<i>Hydrostachys pilifera</i> ✓	
Actinotus leucocephalus	
MAT PLANTS	
<i>Stipa caprea</i> ✓	

- SEEDS (indicate height classes)
- Xanthorrhoea johnsonii* ✓ 52
- Acridoschisma tenuis* ✓ 53
- Rhodanthe? subflava* ✓ 54
- Schoenus antapiculatus* ✓ 55
- Apodolobelia angustifolia* ✓ 56
- 1/2 *Lepidobolus chartaceus* ✓

Adjacent	
<i>Lechenaultia biloba</i> ✓	
<i>Stylium dichotomum</i> ✓	
1/2 <i>Conocarpus erectus</i> ✓	
1/2 <i>Logania compacta</i> ✓	
1/2 <i>Carex laevigata</i> Tolb 1 ✓	
1/2 <i>Cassytha</i> Tolb 1a ✓	

- Spizina tristis* ✓ 30
- GNC GRASSES
- Leucopogon alpestris* ✓ 25
- Leucopogon fuscopurpureus* ✓ 26
- Dactyloctenium aegyptium* ✓ 27
- Opposite pycnostachys* ~ 28 ✓ 28
- Xanthorrhoea australis* aerides ✓ 29
- HERBS
- Pycnostachys* ~ 28 ✓ 29
- Axonopus humilis* ✓ 30
- Myrsinopsis repens* ✓ 31
- Polystachya* ✓ 32

SPECIES PRESENCE

- work systematically through the vegetation; start with the tallest stratum, i.e. trees or shrubs, working through each stratum to work on sedges last
- within each stratum try to record the **most common species first** and the most uncommon last.
- as each species is collected **label** it with a numbered tag and use this number on your recording sheet
- indicate if the species is in flower

QUADRAT No.

9-10

Trees

	No	Fl
<i>Banksia attenuata</i>	1	✓
<i>Banksia marginata</i>	2	X
	3	

12/8/91	No	Fl
<i>Conospermum pendulum</i>	1	
<i>Acaena wildenhiana</i>	2	
<i>Hibbertia aurea</i>	3	
12/8 Lampronia coquilletti	4	✓
<i>Hypothrix calycina</i>	5	
<i>Daviesa strobilaria</i>	6	
* <i>Acacia anthemoides</i>	7	
<i>Craesia corymbosa</i>	8	
<i>Podolepis gracilis</i>	9	
<i>Trachymene pilosa</i>	10	
<i>Lycopodium marginatum</i>	11	
<i>Thlaspi lanuginosum</i>	12	
<i>Thysanocarpus manglesianus</i>	13	
<i>Caladenia</i> sp discolor	14	
<i>Isotoma heterophylla</i>	15	

<i>BUACHA LORA UMBELLATH</i>	No	Fl
16	31	

<i>GLADIOLUS CARYOPHYLLACEUS</i>	No	Fl
17	32	

<i>STYLIDIUM BRUNonianum</i>	No	Fl
18	33	

<i>AMPHIROGON TURBINATUS</i>	No	Fl
19	34	

<i>ANIGOZANTHOS MANGESTII</i>	No	Fl
20	35	

<i>WAITZIA CITRINA</i>	No	Fl
21	36	

<i>TRIPTEROCCOCUS BRUNONIS</i>	No	Fl
22	37	

<i>DANTHONIA CAESPITOSA</i>	No	Fl
23	38	

<i>PATERSONIA OCCIDENTALIS</i>	No	Fl
24	39	

<i>PHLEBODARYA FILIFOLIA</i>	No	Fl
25	40	

<i>Neurachne alopecuroidea</i>	No	Fl
26	41	

<i>THYSANANTHUS triandrus</i>	No	Fl
27	42	

<i>CONOSTYLIS aureoacuticarpa</i>	No	Fl
28	43	

<i>LEAVEN HOOKIA capitata</i>	No	Fl
29	44	

<i>Stylium regens</i>	No	Fl
30	45	

<i>Dioscorea merriessii</i>	No	Fl
31	46	

<i>Kergella ambinata</i>	No	Fl
32	47	

<i>Stylium brunonianum</i>	No	Fl
33	48	

<i>Sedges</i>	No	Fl
34	49	

<i>STIPA PYCNOSTACHYIA</i>	No	Fl
35	50 X	

<i>LOXOCARYA semerea</i>	No	Fl
36	51	

<i>TETRARIA TRICHOSTYLARIA NEESII</i>	No	Fl
37	52	

<i>MESOMELENA STYGIA</i>	No	Fl
38	53	

<i>Lycopodium barbata</i>	No	Fl
39	54	

<i>Schoenus calopitatus</i>	No	Fl
40	55	

<i>LEPIDOPODIUM tenue</i>	No	Fl
41	56	

<i>STYLIUM PEPIENS</i>	No	Fl
42	57	

<i>Cyathochlaena aenacea</i>	No	Fl
43	58	

<i>Stephanotricha octandra</i>	No	Fl
44	59	

<i>Schoenus caribicus</i>	No	Fl
45	60	

<i>Liparis australis</i>	No	Fl
46	61	

<i>Schizula involucrata</i>	No	Fl
47	62	

Herbs

<i>DASYPOGON BROMELIIFOLIUS</i>	No	Fl
48	63	

<i>CONOSTYLIS AUREA</i>	No	Fl
49	64	

<i>CONOSTYLIS</i>	No	Fl
50	65	

SPECIES PRESENCE

- work systematically through the vegetation, start with the tallest stratum, i.e. trees or shrubs, working through each stratum to work on sedges last
- within each stratum try to record the **most common species first** and the most uncommon last.
- as each species is collected **label it with a numbered tag** and use this number on your recording sheet
- indicate if the species is in **flower**

QUADRAT No.
7

Trees

	No	Fl	Date		No	Fl		No	Fl
			8/8/91						
				<i>Drosera neopinna</i>	x			<i>Patersonia occidentalis</i>	
				<i>Hypoxis glabra</i>	x			<i>Daisys PODOLEPIS GRACILIS</i>	
				<i>Grevillea corymbosa</i>	x			" <i>KURSINIA ANTHEMOIDES</i>	
				<i>Cassinia dielsii</i>	35			" <i>PODOLEPIS GRACILIS</i>	
				<i>Haemodorum laeve</i>	x			" <i>PODOTHEREA DOLISTIOPHOLIUM</i>	
				<i>Lomandra hermaphrodita</i>	x			- <i>WILLENBERGIA CAPENSIS</i>	
				<i>Lomandra eadiei</i>	x			<i>Burchardia umbellata</i>	
				<i>Mitchamia pilosa</i>	x			<i>Basella bryonoides bromelioides</i>	
				<i>Catocalenia flamigera</i>	x			<i>Phlebodium filifolium</i>	
				<i>Quinchia curvilli</i>				<i>Haemodorum spicatum</i>	

Mallees

SHRUBS

<i>Adenanthera cinnomomea</i>	1	
<i>Alox - casuarina humilis</i>	20-B	
<i>Eucalyptus PAUCIFLORA</i>	3	
<i>Grevillea latifolia</i>	4	
<i>Jacksonia DENSIFLORA</i>	5	
<i>Calothamnus ANGULATA</i>	6	
<i>Zenobia CONOSTEPHIOIDES</i>	7	
<i>Olearia eleophila</i>	8	
<i>Eremia sp (?) acutifolia</i>	9	
<i>Lompholobium TOMENTOSUM</i>	10	✓
<i>Baeckea Scholtzia involucrata</i>	11	
<i>Acacia AUREOUNITENS</i>	12	
- <i>BOSSIA ERIOCARPA</i>	13	
<i>Nitidellia HYPERICOIDES</i>	14	
+ <i>ACACIA SE SSI LIS</i>	15	
<i>Templetonia biloba</i>	16	
<i>Hemianthus linearis</i>	17	
	18	

Mat Plants

DROSERA LEUCOBLASTA

Bunch Grasses

x- <i>Aelu-rachne alopecuroides</i>	18	✓
x- <i>Stipa pycnostachya</i>	19	
x- <i>Themeda turbinata</i>	20	
x- <i>Airia coryophyllea</i>	21	

Herbs

<i>Stellaria repens</i>	22	✓
<i>Borodinia aculeata</i>	23	✓
<i>Leptorhynchus campanulatus</i>	24	✓

ADJ Calytrix aarca
Calytrix flavescens
Calytrix angulata
Melaleuca "flat lvs"
Melaleuca trichophylla
Melaleuca scabra
Scholtzia "prostrate"
Jacksonia
ATROGRINUM
Phlebodium ASTRALIA
Acacia acanthodes
Myrsinace degeeri ciliata

SPECIES PRESENCE

- work systematically through the vegetation, start with the tallest stratum, i.e. trees or shrubs, working through each stratum to work on sedges last
- within each stratum try to record the **most common species first** and the most uncommon last.
- as each species is collected **label** it with a numbered tag and use this number on your recording sheet
- indicate if the species is in flower **g**

QUADRAT No.
TAC 59

Trees

Nuytsia (suckers) cee

No 28

8/8/91

Crotonophyllum prasinum
Acacia reticulata
Hybanthus calycinus
Paranya foveolata

Templetonia biloba

Acacia millefolia
Isotropis cuneifolia

(all) *Boronia ramosa*

Mallees

NT

SHRUBS

Lambertia multiflora

1 F

Casuarina humilis

2

Xanthorrhoea preissii

3

Allocasuarina verticillata

4

Eremocoma pauciflora

5

Conostephium pendulum

6 b

Moliniea trichophylla

7 F

Petrophile linearis

8

Stirlingia latifolia

9

Digoria nivea

10

Melaleuca scaberrima

11

Gompholobium formosissimum

12

Gompholobium confertum

13

Scaevola canescens

14

Eriostemon spicatus

15

Olearia pteleophila

16

Bossia eriocarpa

17

Daviesia podophylla

18

Scaevola plumosa

19

Lysimachia ciliatum

20

Hibbertia huemelix

21 F

Nuytsia floribunda

22

Amigozanthus munroei

23

Patersonia occidentalis

24

8/8/91 *Hibbertia hyperborea*

25

Comesperma calymega

26

x *Daviesia triflora*

Herbs

Flynnia patersonia
gladiolus caryophyllaceus
conostylis aurea
Burchardia umbellata

No 21 x
22 x
23 x
24 x

Podolepis

No	Fl
25	x
26	x
33	x
37	x
40	x
42	x
44	x

8/8/91	<i>Laxmannia ramosa</i>	x
*	<i>Ursinia anthemoides</i>	x
	<i>Podolepis gracilis</i>	x
	<i>Trachynella pilosa</i>	x

<i>Drosera stolonifera</i>	x
<i>Quinetia urvillei</i>	x
<i>Drosera macrantha</i>	x
<i>Hyperrella fimbristata</i>	x
<i>Pterostylis littoralis</i>	x

Sedges

<i>Mesomelaena (stygia) brandegeae</i>	29	x
<i>Mesomelaena tetrasticha</i>	30	x
<i>Caustis diocca</i>	31	x
<i>Loxocayrea fasciculata</i>	32	x
<i>Fetaria octandra</i>	33	x
<i>Yigania barbata</i>	35	x
<i>Amphipogon bromeliifolius</i>	43	x
8/8/91 <i>Schoenus (large) capspititus</i>		x
<i>Lomandra hystrix</i>		x

11/91

<i>Stipa compacta</i>	x
<i>Brida minor</i>	-
<i>herpestochloa stipitata</i>	x

SPECIES PRESENCE

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- indicate if the species is in **flower**

QUADRAT NO.
TALC 8

10m x 10m

Trees

No FI

8/8/91

Olearia eleophila
Sotropis creniformis
Spiridium trilobatum
Hyperanthus nigricans

No FI

STYLIUM brunonianum

Stylium pilosum

No FI
27

~~*Stylium repens*~~

No FI
29

Conostylis australis

No FI
30

~~*Luzmaria sessiliflora*~~

No FI
42

Hemadonium laxum

No FI
47

Burkardia umbellata

No FI
49

Mallees

Andersonia lehmanniana

Dialpa pyriformata

Leucopogon canescens
sp(GK) 37

" sp tall small 37

Calestasia cyanoa

8/9/91 *Grevillea preissii*

Laxmannia grandis

* *Hypochaeris glabra*

Drosera stolonifera

* *Ursinia anthemoides*

Trachymene pilosa

Conostylis cabicina

Chaemosilla corymbosa

Leporella fimbriata

Podolepis gracilis

Drosera macrantha

SHRUBS

Hamelia nummularia

No FI

Allocasuarina humilis

No FI

Lombertia multiflora

No FI

Xanth. priessii

No FI

Jacksonia floribunda

No FI

Stirlingia latifolia

No FI

Eremaea pauciflora

No FI

Eriostemon spicatus

No FI

meuccia triphylla

No FI

Hibbertia hebetifolia

No FI

Gompholobium congtia

No FI

Acacia sparrmanii

No FI

Nuytsia floribunda

No FI

Hibbertia hyperborea

No FI

Scavola canescens

No FI

Davallia solida

No FI

Isolobodon drummondii

No FI

Penopeltis linneana

No FI

Scavola paludosa

No FI

Templetonia biloba

No FI

Oxylobium sp. capitatum

No FI

Nemoria linearis

No FI

* *Gladiolus caryophyllaceus*

No FI

Gompholobium congtia

No FI

Davallia solida

No FI

Xanthosia huegelii

No FI

Hibbertia intermedia

No FI

Mat Plants

Schoneus caespiticus

No FI

Bunch Grasses

Aleuracallis alopecuroides

No FI

Amphipogon turbinatus

No FI

Schoenus scirpifolius

No FI

Herbs

Patersonia occidentalis

No FI

Tricyrtis elatior

No FI

Tolarnonia nubigena

No FI

Sedges

Mesomelaena (stygia) hendo

No FI
19

Loxocarya cinerea = flex.

No FI
20

Lomandra sericea

No FI
22

Leptothrix sparsa angustatum

No FI
33

Tetraparia octandra

No FI
34

Lomandra odora

No FI
45

Caustis dioica

No FI
46

Mesomelaena tetragona

No FI
48

Lomandra hemophila

No FI
49

11/9/91 old

Stiloxena humilis

Laxmannia sessiliflora

Stipa compressa

Mitrasacme parviflora

Leavenh stipitata

SPECIES PRESENCE

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- indicate if the species is in **flower**

QUADRAT No.

TALB **XX**Quadrant No not known
all marked X

Trees

	No	Fl
<i>Bankesia attenuata</i> ^{var} ✓	1	

	No	Fl
--	----	----

*Bankesia outside dieback not apparent in gradient*TALB **X** (10)

Mallee

12/8/91	<i>Trachymene pilosa</i> ✓
	<i>Lomandra caespitosa</i> ✓
	<i>Hybanthus pauciflorus</i> ✓
	<i>Leptorhynchus fimbriata</i> ✓
	Seedlings
	<i>Bankesia</i>

SHRUBS

<i>Allocasuarina humilis</i>	✓	2
<i>Jacksonia scoparia</i>	✓	3
<i>Petrophile linearis</i>	✓	4
<i>Conospermum stoechadis</i>	✓	6
<i>Conospermum acerosum</i>	✓	7
<i>Persoonia saccata</i>	✓	8
<i>Bossiaea eriocarpa</i>	✓	9
<i>Eremaea</i> sp.	✓	10
<i>Acacia aureonitens</i>	✓	11
<i>Gompholobium tomentosum</i>	✓	12
<i>Scaevola paludosa</i>	✓	13
<i>Dryandra nivea</i>	✓	26

12/8/91

Frixiolimon spicatus ✓
Acaia widdeniana

Mat Plants

Bunch Grasses

<i>Stipa pycnostachya</i>	✓	14	1
<i>Amphipogon turbinatus</i>	✓	15	

Herbs

<i>Conostylis aculeata</i>	✓	16
<i>Conostylis australis</i>	✓	17
<i>Murchisonia umbellata</i>	✓	18

✓	<i>Gladiolus coryophyllaceus</i>	✓	19
✓	<i>Phlebocarya silifolia</i>	✓	20
✓	<i>Podolepis gracilis</i>	✓	

✓	<i>Ursinia anthemoides</i>	✓
✓	<i>Patersonia occidentalis</i>	✓
✓	<i>Haemodorum tectorum</i>	✓
✓	<i>Thysanotus mangesianus</i>	✓
✓	<i>Drosera 'slender'</i>	✓
✓	<i>Drosera menziesii</i>	✓
✓	<i>Patersonia occidentalis</i>	✓
✓	<i>Trachymene pilosa</i>	✓
✓	<i>Haemodorum spicatum</i>	✓
✓	<i>Drosera glanduligera</i>	✓
✓	<i>Chaenorrhinum comosum</i>	✓
✓	<i>Scaevola paludosa</i>	✓
✓	<i>Hedysarum diffusum</i>	
✓	<i>Isotropis cuneifolia</i>	✓
✓	<i>Conostylis setigera</i>	✓
✓	<i>Lomatium hemaphrodite</i>	✓

Sedges

✓	<i>Misomeria stygia</i>	✓	5
✓	<i>Dasypteron brevifolius</i>	✓	95
✓	<i>Trichostylis neesii</i>	✓	92
✓	as above	✓	93
✓	<i>Leptocorypha cinerea</i>	✓	91
✓	<i>Hygrophila barbata</i>	✓	95
✓	<i>Lepidobolus chrysophyllum</i>	✓	87

12/8/91

✓	<i>Cyathochaeta aviniger</i>	✓
✓	<i>Schoenus capensis</i>	✓
✓	<i>Tetragonia octandra</i>	✓
✓	<i>Lepidostyphus leptostachys</i>	✓

To RECORD • start with the lowest stratum (tree or shrub)

THE SPECIES • within each stratum record the most common species first and the most uncommon last.
• give all species a NUMBER even if you give it a name.

REES

Banksia menziesii

No

1

8/8/91 Herbs

- x *Caladenia* (bearded) discidea
- x *Drosera menziesii*
- x *Syzygium* nigricans

MALLEES

HURBS (indicate height classes)

Adenanthos cygnorum

x *Calytrix austromedea*

< *Conospermum spachardii*

Leptospermum laevigatum

Leptospermum squamulosum

Phlomis scabra

x *Pithecellobium involucratum* Sime & E

Prostanthera sp. c. mt

x *Rosella eriocarpa*

x *Acacia auriculiformis*

x *Acacia caesalpiniifolia*

Acacia farnesiana

x *Acacia huegelii*

x *Eucalyptus propinqua*

x *Grevillea laurina*

x *Grevillea subnigra*

Grevillea

x *Leptospermum linearis*

8/91 *Davallia trifolia*

Acacia huegelii

No

1

8/8/91 Herbs

- x Long thin fine leaf (*Haemodorum*? *brevisepalum*)
- x *Drosera pycnoblasta*
- x *Leporella fimbriata*

x *Hybanthus calycinus*

x *Haemodorum spicatum*

x 1/91 *Quinetia urvillei*

x *Levenhookia stipitata*

x *Podotheca angustifolia*

x *Centrolepis drumm*

x *Isolepis marginata*

x *Mitrulaeae* parviflora

x *Trachymene pilosa*

x *Cassula pedicillosa*

11/91

Tricostularia =

Poa *microphylla*

MAT PLANTS

BRUNCH GRASSES

Lepturus alopecuroides

x *Limnodea turbinalis*

x *Stipa* *variflora*

x *Stipa* *compressa*

HERBS

x *Acetosella* sp laxum

x *Epipactis* stipitata

x *Grevillea pubescens*

x *Leptorhynchus aculeata*

No

1

x *Monotaxis grandiflora*

x *Pterosmanea decumbens*

x *Phlebocarya ciliata*

x *Podolepis gracilis*

x *Thlaspi alyssoides* (read)

x *Dasypergon bronchitis*

x *Pritchardia simplexata*

x *Conostylis ?aculeata*

x *Drosera menziesii*

x *Utricularia aethiopica*

x *Myrsinace brunnescens*

x *Isostrepsis cuneifolius*

x *Ipomoea carnea* phaeolepis

x *Conostylis australis*

x *Drosera leucostoma*

x *Amarcrum prissii*

x *Stachys* pilosa

ADT Ph. botrys

SEGES (indicate height classes)

x *Dyglia* *bifaria*

x *Fimbristylis* *neesi* VOUCHER

x *Lepturus curvifolius*

x *Pogonatherum fasciculatum*

x *Lepturus caespitosus*

x *Lepturus exaltatus*

x *Lepturus angustatum*

Adjacent

Phlebocarya ciliata

SPECIES PRESENCE

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- indicate if the species is in flower

QUADRAT NO.

TALBOT. 4

Trees

MARRI = *Acacia farnesiana*
giant acacia

No FI

1 -

8/8/91 Herbs

**Romulea rosea*

**Sparganum bulbifera*

Tribonanthus longipetala

Thelymitra (long) crinata

Hypochaeris glabra

Burchardia multiflora

Hydrocotyle diantha

Mallees

SHRUBS

Nymania trifolia 2 -
Xanthorrhoea preissii 3 -
Kingia australis 4 -
Jacksonia sternbergiana 5 -
Dryandra nivea 6 -
Mitchella seedling (2)

No FI

2 -

3 -

4 -

5 -

6 -

Mat Plants

No FI

7 -

**Neurolephanea lopercuroides*

**Cassia micrantha*

**Sowerbya taxiflora*

**Chaemascilla coccinea*

**Briza maxima*

**Borchardia umbellata*

**Monadenia bracteata*

**Borya sphaerocephala*

**Cyathochlaena aenacea*

**Tetragonia octandra*

**Borya sphaerocephala*

**Stylidium dichotomum*

**Stylidium breviscapum*

**Danthonia pectinata*

**Danthonia pectinata*

11/91

old

Siloxeres humifusus

Grevillea filiformis var. *minut*

Centrolepis aristata

Drosophyllum glanduligerum

Hy *Aphelia cypricidae*

Hy *Acrotylus pilifer*

Centrolepis (hum) cephaliformis

Isolepis cyperoides

Turritis bufo-nius

Bunch Grasses

**Danthonia pilosa*

29

Sedges

**Hypolaena exsulca*

**Mesomelina tetragona*

**Lixocarya fasciculata*

**Hordeum latkei flava*

**Lepidosperma tenue*

**Cyathochlaena aenacea*

**Tetragonia octandra*

AOT

Scaevola glutinosa

Leucopogon

Herbs

**Conostylis vacuolella*

**Conostylis aerea*

**Thlaspi patersonii*

7 -

8 -

9 -

SPECIES PRESENCE

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- within each stratum try to record the most common species first and the most uncommon last.
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- indicate if the species is in flower

QUADRAT No.
TALBOT 5

Trees

No FI

11/81

Faduymeri pilosa
Stipa comata
Baeckea corymbosa
Podoletica angustifolia
Mitrasacme paradoxia
Bixa marginata
Ceratopeltis brumoides
Stenopetalum gracile
Hypocharis glabra

No FI

Stylium repens ✓
* *Gladiolus caryophyllaceae* dead weed 32 ✓
Scorola canescens Goodenaceae? 37 ✓
* *Haemodorum spicatum* 38 ✓
* *Hypolepium rotula* everlasting dead 40
Burchardia umbellata finished 45
Pectinopis occidentalis (24 =) 47 ✓
Haemodorum laxum 48 ✓
* *Hypolepism gracilis* 49 ✓
Lemandra odora 30 = 50

Mallees

SHRUBS

Adenantheros cygnorum 1 ✓
Kunzia recurva green frt 225 ✓
Allocasuarina humilis ✓ 3 ✓
Calytrix angulata ✓ 4 ✓
Verticordia densiflora ✓ 5 ✓
Jacksonia densiflora (20) 6 ✓
Scholtzia involucrata ✓ 7 ✓
Eremocoma sp. - rigidia? 8 ✓
Dossinia triocarpa 13 ✓
Hibbertia hypericoides (finishtaff) 14 ✓
Conospermum stoechadis 15 ✓
Xanthos Kingia australis 17 ✓
Scaevola paludosa (prostrate) 18 ✓
* *Gompholobium aristatum* (fruit) 21 ✓
Acacia huergelii 23 ✓
Banksia grandis 28 ✓
Eriostemon spicatus 44 ✓
8/8/91 *Acacia willdenowiana*
" sessilis

Herbs

Dasypanion bromelioides

Mat Plants

Phlebocarya filifolia ✓
Conostylis aculeata
Lemandra hermannioides
conostylis aurea

Bunch Grasses

Amphipogon turbinatus ✓
1 *Neuroachne alopecuroides* ✓
* *Pentastachys aroides* finished-dead
Danthonia caespitosa dead.

9 ✓

12 ✓

30 ✓

36 ✓

20 ✓

26 ✓

34 ✓

42 ✓

Sedges

Lyginea barbata 10 ✓
Mesomelania (stygia) ✓ pseudo 11 ✓
Restio? (spec) ✓ = 3m 19 ✓
Hypoleuca exulica 29 ✓
Restio 10 =
- *Tricostularia neesii* (33) ✓
Restio sphaeratus (fin fl) 37
A.P. 22 = 43
Schoenus caespitosus? repeat collection 46 ✓
16/8/91 *Schoenus curvifolius*

ADJ

Verticordia
Acacia huergelii

Herbs

Laxmannia sessiliflora ✓ 16 ✓
Osmorrhiza presili 43 = 22 ✓
Petersonia occidentalis 24 = X 47 ✓

To RECORD - start with the lowest stratum (tree or shrub)
 the SPECIES • within each stratum record the most common species first and the most uncommon last.
 TAB 6 • give all species a NUMBER even if you give it a name.

TAB 6

TREES

Jacksonia sternbergiana Fl 1

No

No

MALLEES

SHRUBS (indicate height classes)

2m *Adenanthera cygnorum*

11/91

Hakea ruscifolia

1.5M 141 *Hakea triplinervata*

1.0-1.5M *Allotrochus humilis*

Stipa compressa
 Trig centro
Ursinia anthem.
Centrolepis drumm
 Trachym pilosa
Hydro pilosa
Schoenus nautes

No
* <i>Sonchus oleraceus</i>
* <i>URSIMIA ANTHEMOIDES</i>
* <i>Podolepis gracilis</i>
* <i>Hypochaeris glabra</i>
✓ <i>Haemodorum laxum</i>
* <i>Burchardia umbellata</i>
* <i>Lacmannia sessiliflora</i>
8/8/91 <i>Prosora glanduligera</i>
Quinetia urvillea
✓ <i>Trachymene plana</i>
<i>Centrolepis pacifica</i>
<i>Burchardia multiflora</i>
<i>Caladenia Pericla</i>

0.5-1.0M *Hibbertia hypericoides*

5 *Stirlingia latifolia* Fl 6

0.5 *Dryandra nivea*

Gompholobium tomentosum

Acacia spsessilis

Bossiaea eriocarpa

Hakea prostrata

Acacia acuminata

Gompholobium conicum

Acacia sessilis = 9

7 *Bossiaea eriocarpa*

Kingia australis

Lechenaultia biloba

(DTPH) *Hakea macropoda*

8/8/91

Acacia wilcoxiana

10 MAT PLANTS

SEEDS (indicate height classes)

Over .5
✓ <i>Mesomelena lstygia</i>
* <i>Restio sinu</i>
✓ <i>Burchardia umbellata</i>
✓ <i>Lacmannia sessiliflora</i>
* <i>Mesomelena monostachya</i>
* <i>Lyginia barbata</i>

ADT

* *Scævola paludosa*

YOUNG GRASSES
✓ <i>Poa Adrummondiana</i>
21 ✓ <i>Stipa pycnostachya</i>
✓ * <i>Pentaschistus aegoides</i>
* <i>Amphipogon turbinatus</i>
* <i>Briza maxima</i>
HERBS CONSTYLIS aculeata FL
* <i>Anigozanthos manglicoxii</i>
* <i>Haemodorum laxum</i>
* <i>Gladiolus caryophyllaceus</i>
* <i>Leucopogon parviflorus</i>

SWAN COASTAL PLAIN

(Please use pencil not biro)

SURVEY RECORDING SHEET

QUADRAT No. TALB 2.

DATE FIRST TRIP 28-10-90

DATE FIRST TRIP 8/8/31
DATE SECOND TRIP 8/8/31

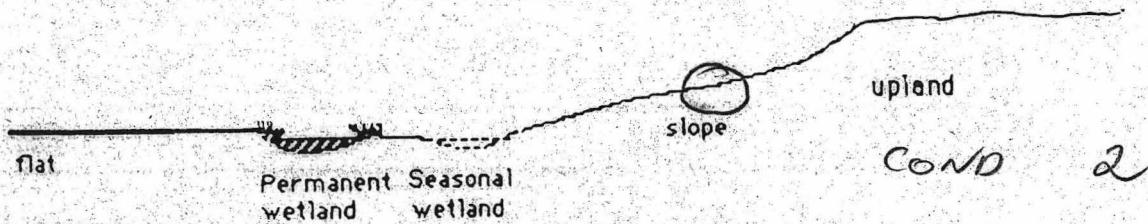
DATE SECOND TRIP 8/8/77 DISTANCE 11.5K
VOLUNTEERS FIRST TRIP PETER NEIL MARY

VOLUNTEERS FIRST TRIP PETER, N.C., MARY

VOLUNTEERS FIRST TRIP PETER, NEIL, MARY, JEFF

VOLUNTEERS SECOND TRIP 11/91

1. TOPOGRAPHIC POSITION - Circle position of quadrat



2. SITE DATA - Circle correct response or complete

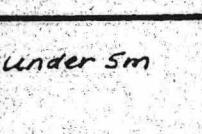
Slope flat, gentle, steep Aspect N, NE, E, SE, S, SW, W, NW

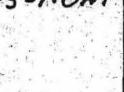
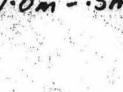
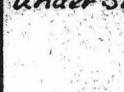
% Bare ground + . Drainage: well or mod or poor Wet: All year or winter / spring

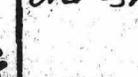
Litter (% cover) 30-70. Surface soil SAND. Sub-surface soil CLAY SAND

Mapped Soil ?FI (King & Wells, 1990)

3. VEGETATION STRUCTURE AND COVER (Record appropriate cover class)

	TREES <i>E. CALOPHYLLA</i>	MALLEES	
LIFE FORM	> 15m or 5-15m	under 5m	MALLEE SHRUB less than 8m
COVER CLASS (%)	7-15m 5-15m	10-30	MALLEE TREE 8m or more
			

SHRUBS		<i>Anisotoma</i> <i>lucida</i> <i>MINTHODONIA</i> - PRESSII q. <i>KINGIANA</i>					SHRUBS	
LIFE FORM	over 2m.	2.0-1.5m	1.5-1.0m	1.0m - .5m	under .5m			
								
COVER CLASS (%)	0	2-10	2-10(40)	10-30(30)				

	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES
LIFE FORM	under 10cm 	under .5m	under .5m (except creepers) 	over .5m 
COVER	0	+	2-10 (2)	0 2-10 (10) DTR

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

QUADRAT No.

TAB 13

VEGETATION TYPE

Mari/Wando Woodland

DATE TRIP

18/9/91

BOTANIST

BOK GJC

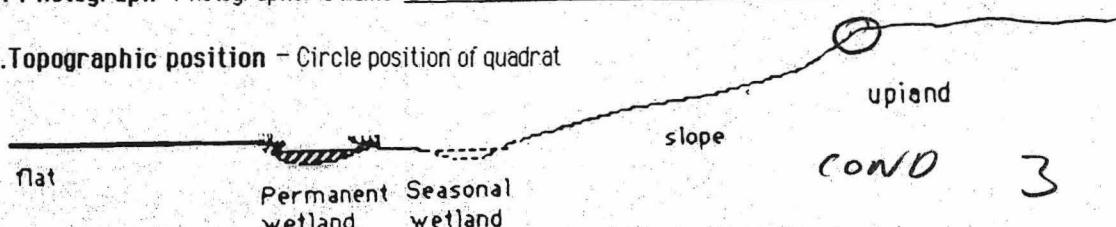
VOLUNTEERS

1. LOCATION of the QUADRAT

a. Mud Map Draw a sketch of the location of the quadrat the back of this sheet. →

b. Photograph Photographer's name _____

c. Topographic position - Circle position of quadrat



Keighery and Keighery, 1990
 Adapted from Griffin and Keighery, 1989
 MOORE RIVER to JURGEN SANDPLAIN
 SURVEY. WILDFLOWER SOCIETY of WA

2. SITE DATA - Circle the correct response

Slope flat gentle steep Aspect N NE E SE S SW W NW% Bare ground 3% Drainage well mod poor Wet All year winter/springLitter (% cover) 70% Surface soil brown Sub-surface soil Lacustrine granite
Mapped soil (Kingwell, 1990) loam

3. VEGETATION STRUCTURE AND COVER

Record appropriate cover class

Cover Class - percentage classes	under 2%	2-10%	10-20%	20-30%	30-50%	50-70%	over 70%
TREES	Wando Mari						
LIFE FORM	 or > 15m 5-15m	 under 5m		 MALLEE SHRUB less than 8m	 MALLEE TREE 8m or more		
COVER CLASS (%)	> 15m 5-15m	1-5%					
SHRUBS	Hake tri						
LIFE FORM	 Hake tri over 2m	 2.0-1.5m	 1.5-1.0m	 1.0m - 5m	 under 5m black ls New		
COVER CLASS (%)	1-2%					10-20	
MAT PLANTS		BUNCH GRASSES	HERBS	SEDGES			
LIFE FORM	 under 10cm	 under .5m New	 under .5m (except creepers) BKT	 over .5m	 under .5m - 1.0m		
COVER CLASS (%)		50%	2-10%				

Height (metres)

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

QUADRAT NO. TALB 12

DATE TRIP 18/9/91

VOLUNTEERS _____

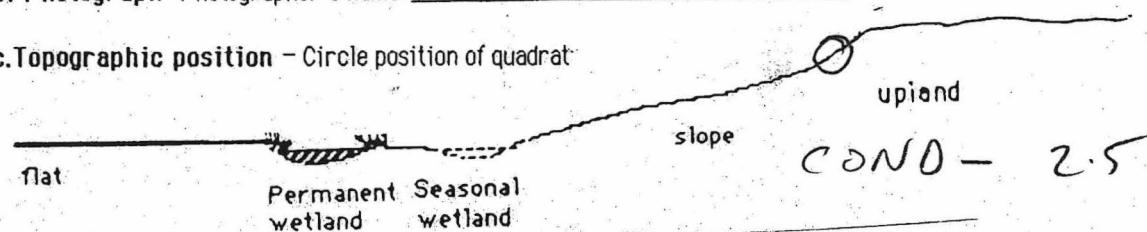
VEGETATION TYPE Wando Woodland
BOTANIST AJK BJK

1. LOCATION of the QUADRAT

a. Mud Map Draw a sketch of the location of the quadrat the back of this sheet. 

b. Photograph Photographer's name _____

c. Topographic position - Circle position of quadrat



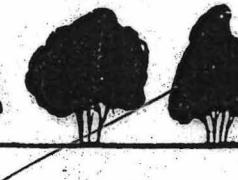
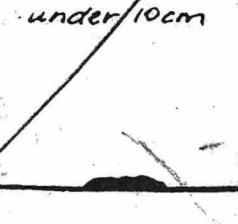
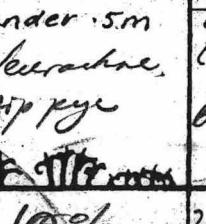
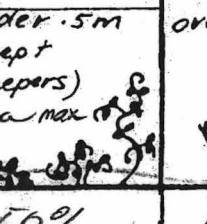
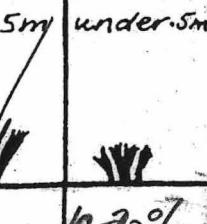
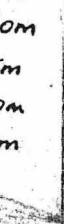
2. SITE DATA - Circle the correct response

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

% Bare ground 20% Drainage well mod poor Wet All year winter/spring

Litter (% cover) 50% Surface soil red loam Sub-surface soil lat-quartzite
Mapped Soil ? F6 (King & Wells, 1990) rocky

3. VEGETATION STRUCTURE AND COVER Record appropriate cover class

Cover Class - percentage classes	2-10%	10-20%	20-30%	30-50%	50-70%	over 70%
TREES	<i>Wando</i>					
LIFE FORM	 or > 15m 5-15m	 under 5m	 MALLEE SHRUB less than 8m	 MALLEE TREE / 8m or more		
COVER CLASS (%)	>15m 5-15m	10%				
SHRUBS				SHRUBS		
LIFE FORM	 over 2m	 2.0-1.5m	 1.5-1.0m Ac pul Hak eri hyp ang.	 1.0m - .5m	 under 5m Hak lis	
COVER CLASS (%)			5%			20%
	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES		
LIFE FORM	 under 10cm	 under .5m Paspalum, Sip pye	 under .5m (except creepers) Biza max	 over .5m	 under .5m - 1.0m	
COVER CLASS (%)		10%	30-50%			10-20%

Height (metres)

Keighery and Keighery, 1990
Adapted from Griffin and Keighery, 1989
MOORE RIVER to JURIEN SANDPLAIN
SURVEY. WILDFLOWER SOCIETY of WA