

TALBOT ROAD BUSHLAND, STRATTON/SWAN VIEW

Boundary Definition: protected area/bushland (part taken to cadastre) boundary (Areas of bushland within the boundaries of the Site are not accurately mapped.)

SECTION 1: LOCATION INFORMATION

Bush Forever Site no. 306 Area (ha): bushland 95.2

Map no. 44

Map sheet series ref. no. 2134-III NW, 2134-III SW

Other Names: Location 86 (Keighery, BJ, and Trudgen 1992)

Local Authorities (Suburb): Shire of Swan (Stratton, Swan View)

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Darling Plateau (Darling Range)/Darling Scarp

Even-grained Granite (Ae, Aes: M3)

Foothills

Colluvial Deposits (Qc: Mgs2)

Yoganup Formation (Qpr: S12)

VEGETATION AND FLORA

Vegetation Complexes

Foothills

Forrestfield Complex (Ridge Hill Shelf along base of Darling Plateau)

Pinjarra Plain

Guildford Complex

Floristic Community Types

Supergroup 1: Foothills/Pinjarra Plain

3c *Eucalyptus calophylla* — *Xanthorrhoea preissii* woodlands and shrublands

Supergroup 3: Uplands centred on Bassendean Dunes and Dandaragan Plateau

20c Eastern shrublands and woodlands (only significant area)

WETLANDS

Wetland Types: creek, artificial channel

Natural Wetland Groups

Darling Plateau

Walyunga (DI)

Wetland Management Objectives: not assessed, Conservation (Keighery, GJ, and Keighery 1993a)

Swan Coastal Plain Lakes EPP: none identified

THREATENED ECOLOGICAL COMMUNITIES

Critically Endangered (floristic community types 3c, 20c)

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: vegetated uplands (slope with view to Plain), vegetated creek

Vegetation and Flora: limited survey (DEP 1999, Gibson *et al.* 1994 (Talb 01-13), Keighery, BJ, and Trudgen 1992); detailed survey (Keighery, GJ, and Keighery 1993a)

Structural Units: mapping (Keighery, GJ, and Keighery 1993a)

Uplands: *Eucalyptus wandoo* Open Woodland; *Eucalyptus calophylla* and *E. wandoo* Woodland; *Eucalyptus calophylla* Open Woodland to Woodland; *Eucalyptus calophylla* and *E. marginata* Woodland; *Banksia attenuata* and *B. menziesii* Open Low Woodland to Low Woodland; *Adenanthos cygnorum* and *Allocasuarina humilis* Open Shrubland; *Hakea ruscifolia* Open Shrubland; *Hakea varia* and *H. ruscifolia* Heath; *Hakea trifurcata*, *H. undulata*, *Allocasuarina humilis* and *Beaufortia purpurea* Open Heath

Wetlands: *Eucalyptus calophylla* Open Woodland to Woodland; *Melaleuca raphiophylla* Low Woodland

Vegetation Condition: >90% Excellent to Very Good, <10 % Good to Degraded, with areas of severe localised disturbance associated with mining and tracks

Total Flora: 366 native taxa (Keighery, GJ, and Keighery 1993a) (estimated >90% expected flora)

Significant Flora: *Isopogon drummondii* (3), *Synaphea acutiloba* (3), *Synaphea pinnata* (3), *Hakea myrtooides*, *Lambertia multiflora* var. *darlingensis* (3), *Thysanotus glaucus* (4); *Trichocline spathulata*, *Lomandra spartea*, *Haemodorum brevisepalum*, Keighery, GJ, and Keighery 1993a — *Aristida contorta*, *Stylidium affine*, *Grevillea endlicheriana*, *Grevillea glabrata* subsp. *glabrata*, *Conospermum incurvum* (most southern population in a reserve in the Perth Region), *Melaleuca tuberculata* subsp. *tuberculata*, *Eremaea fimbriata*

Fauna: structured surveys for birds (47 species), native mammals (3 species), reptiles (13 species) and amphibians (7 species) (How *et al.* 1996). Significant bird species: category 1 (1), category 3 (4) and category 4 (3). Significant mammal species: Honey Possum. High frog diversity

Linkage: no adjacent bushland; part of a regionally significant fragmented bushland/wetland linkage (Part A, Map 7)

Other Special Attributes: recommended to be managed as a flora conservation area (Keighery, BJ, and Trudgen 1992); Threatened or Poorly Reserved Plant Community (EPA 1994 GIS); National Trust of Australia (WA) Classification; contains plant communities representative of the eastern side of the Swan Coastal Plain; recommended that 'to encompass and protect the Talbot Road woodlands, Swan Locations 11764 and 11313 and Reserve #23 953 are amalgamated into a single A-class Nature Reserve with vesting in the NPNCA.' (Markey 1997); Largest significant area of floristic community type 20c

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Entered in the Register of the National Estate; subject to protection under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

Criteria: Representation of ecological communities, Diversity, Rarity, Scientific or evolutionary importance, General criteria for the protection of wetland, streamline and estuarine fringing vegetation and coastal vegetation

Recommendation: Part A: Site with Some Existing Protection; the existing care, control and management intent of the reserve is endorsed. The purpose of the reserve should be amended to include conservation and appropriate mechanisms applied in consultation with the management body. Part B: Cemetery Mechanism. Part C: Local Reserve Mechanism. Part D: Proposed Parks and Recreation Reservation (see Table 3, Volume 1).

TALBOT ROAD BUSHLAND, STRATTON/SWAN VIEW

Boundary Definition: protected area/bushland (part taken to cadastre) boundary (Areas of bushland within the boundaries of the Bushplan Site are not accurately mapped.)

SECTION 1: CADASTRAL INFORMATION

(Lots, locations and derived information to be updated in the public submission period)

Bushplan Site no. 306 **Map no.** 48, 53 **Map sheet series ref. no.** 2134-III NW, 2134-III SW

Other Names

Location 86 (Keighery, BJ, and Trudgen 1992)

Local Authorities (Suburb)

Shire of Swan (Stratton, Swan View)

Area (ha): total 101.3; bushland 96.3

Zoning

MRS: Parks and Recreation, Urban

TPS: Landscape, Residential Development, Residential 1, Public Purposes

Lot/Location/Reserve numbers (Purpose),

Street name

5524 Talbot Rd; 10556, 11314 O'Connor Rd; 11313

Myles Rd; 11764 Blanchard Rd

Crown Reserve

Ownership Categories

State Government

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Darling Plateau (Darling Range)/Darling Scarp

Even-grained Granite (Ae, Aes: M3)

Foothills

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VEGETATION AND FLORA

Vegetation Complexes

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Supergroup 3: Uplands centred on Bassendean Dunes and Dandaragan Plateau

20c Eastern shrublands and woodlands (only significant area)

WETLANDS

Wetland Types: creek, artificial channel

Natural Wetland Groups

Darling Plateau

Walyunga (D1)

Wetland Management Objectives: not assessed, Conservation (Keighery, GJ, and Keighery 1993a)

Swan Coastal Plain Lakes EPP: none identified

THREATENED ECOLOGICAL COMMUNITIES

Critically Endangered (floristic community types 3c, 20c)

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: vegetated uplands (slope with view to Plain), vegetated creek

Vegetation and Flora: detailed survey (Keighery, GJ, and Keighery 1993a); limited survey (Gibson *et al.* 1994 (Talb 01-13), Keighery, BJ, and Trudgen 1992)

Structural Units: mapping (Keighery, GJ, and Keighery 1993a)

Uplands: *Eucalyptus wandoo* Open Woodland; *Eucalyptus calophylla* and *E. wandoo* Woodland; *Eucalyptus calophylla* Open Woodland to Woodland; *Eucalyptus calophylla* and *E. marginata* Woodland; *Banksia attenuata* and *B. menziesii* Open Low Woodland to Low Woodland; *Adenanthos cygnorum* and *Allocasuarina humilis* Open Shrubland; *Hakea ruscifolia* Open Shrubland; *Hakea varia* and *H. ruscifolia* Heath; *Hakea trifurcata*, *H. undulata*, *Allocasuarina humilis* and *Beaufortia purpurea* Open Heath

Wetlands: *Eucalyptus calophylla* Open Woodland to Woodland; *Melaleuca raphiophylla* Low Woodland

Vegetation Condition: >90% Excellent to Very Good, <10 % Good to Degraded, with areas of severe localised disturbance associated with mining and tracks

Total Flora: 366 native taxa (Keighery, GJ, and Keighery 1993a) (estimated >90% expected flora)



Significant Flora: *Isopogon drummondii* (3), *Synaphea acutiloba* (3), *Synaphea pinnata* (3), *Hakea myrtooides* (3), *Lambertia multiflora* var. *darlingensis* (3), *Synaphea pinnata* (3), *Thysanotus glaucus* (4); *Trichocline spathulata*, *Lomandra spartea*, *Haemodorum brevisepalum*, Keighery, GJ, and Keighery 1993a - *Aristida contorta*, *Stylidium affine*, *Grevillea endlicheriana*, *Grevillea glabrata* subsp. *glabrata*, *Conospermum incurvum* (most southern population in a reserve in the Perth Region)

Fauna: multiple and structured surveys by Western Australian Museum of Natural Science (How *et al.* 1996) for birds (47), native mammals (3), reptiles (13) and amphibians (7). Significant bird species: category 1 (1), category 3 (4) and category 4 (3). Significant mammal species: Honey Possum. High frog diversity

Linkage: no adjacent bushland; part of a regionally significant fragmented bushland/wetland linkage (Volume 2A, Map 8)

Other Special Attributes: recommended to be managed as a flora conservation area (Keighery, BJ, and Trudgen 1992); Threatened or Poorly Reserved Plant Community (EPA 1994 GIS); National Trust of Australia (WA) Classification; contains plant communities representative of the eastern side of the Swan Coastal Plain; recommended that 'to encompass and protect the Talbot Road woodlands, Swan Locations 11764 and 11313 and Reserve #23 953 are amalgamated into a single A-class Nature Reserve with vesting in the NPNCA.' (Markey 1997)

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Interim List of the Register of the National Estate

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

Criteria: Representation of ecological communities, Diversity, Rarity, Scientific or evolutionary importance, General criteria for the protection of wetland, streamline and estuarine fringing and coastal vegetation

Opportunities and/or Constraints

Opportunities: Bushplan Site/part Bushplan Site subject to Swan and Canning Rivers EPP; location of Scheduled Fauna; under MRS Parks and Recreation Reservation and TPS Landscape Zoning, Crown Reserve

Constraints: private land; under MRS Urban Zoning

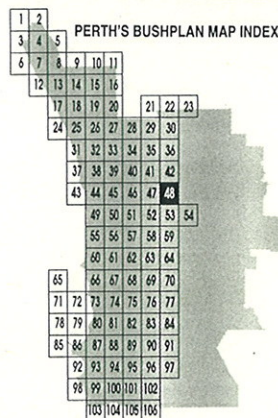
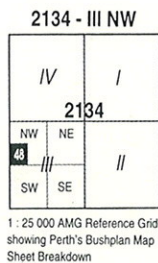
Recommendation: Part Bushplan Site — The existing care, control and management intent of the reserve is endorsed. Long-term security and support for conservation management of the Bushplan Site to be enhanced by: amending the purpose of the reserve to include conservation; and applying appropriate mechanisms in consultation with the reserve management body. The most appropriate mechanism for the protection of the remainder of this Bushplan Site be considered through the public comment period in consultation with the land owner(s).



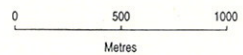


LEGEND

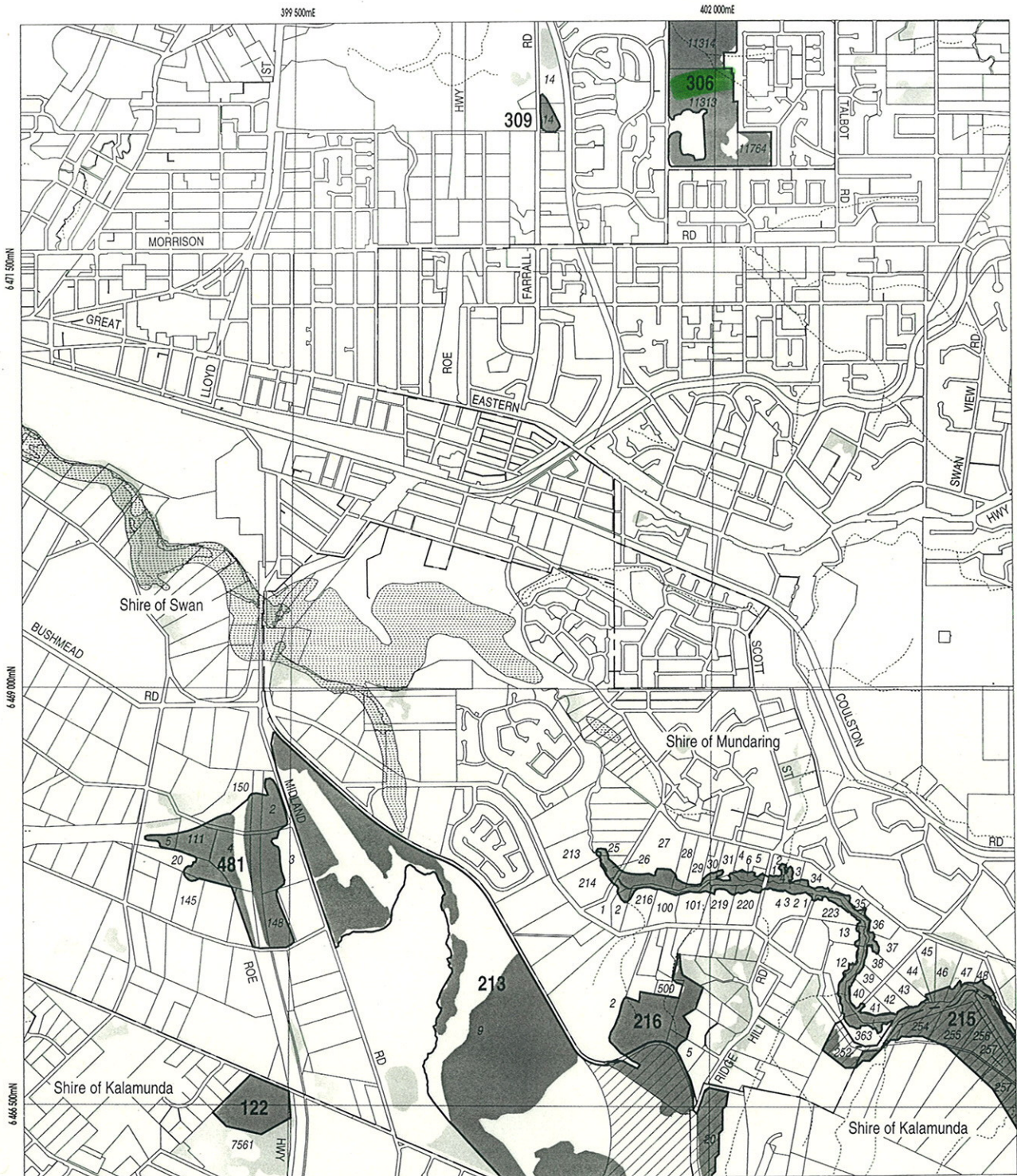
- 472 Bushplan Sites With Regionally Significant Bushland
- Other Native Vegetation
- Conservation Category Wetlands
- Bushplan Sites With Some Existing Protection
- 696 Lot Number, Location Number
- Channel Wetlands
- Local Government Boundary



SCALE

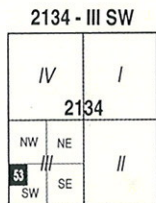


Produced by Project Mapping Section
 Land Information Branch, Ministry for
 Planning, Perth W.A. November 1998
 ntw-map111/environ/bushplan/bushv2_48.dgn
 Cadastral Data supplied by Department
 of Land Administration, W.A.
 Wetlands Data supplied by
 Water and Rivers Commission
 Native Vegetation Extent for Study Area
 supplied by Agriculture Western Australia



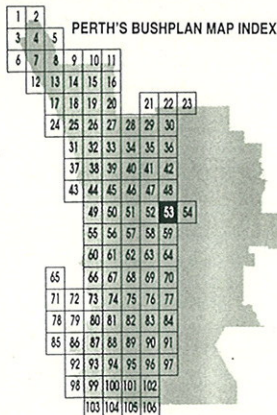
LEGEND

-  Bushplan Sites With Regionally Significant Bushland
-  Other Native Vegetation
-  Conservation Category Wetlands
-  Bushplan Sites With Some Existing Protection
-  Lot Number, Location Number
-  Channel Wetlands
-  Local Government Boundary

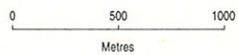


1 : 25 000 AMG Reference Grid showing Perth's Bushplan Map Sheet Breakdown

PERTH'S BUSHPLAN MAP INDEX



SCALE



Produced by Project Mapping Section
 Land Information Branch, Ministry for
 Planning, Perth W.A. November 1998
 ntw-map18/envirom/bushplan/bushv2_53.dgn
 Cadastral Data supplied by Department
 of Land Administration, W.A.
 Wetlands Data supplied by
 Water and Rivers Commission
 Native Vegetation Extent for Study Area
 supplied by Agriculture Western Australia

EXISTING
SUB-DIVISION
APPROVAL

OK 20/7

Is any of
this being
left under
subdivision approval
that could

be added - i.e.
what is the
subdivision

per approval with
the subdivision
will be done.

JA+NT 1/10

BACK OF POS IS
NOT
CONTIGUOUS
WITH EXISTING
SITE AREA.
SMALL AREAS
OF POS

NO
NOT A VAGUE
AREA

GREEN
SUBDIVISION
RESERVATION

OK
JA/NT
1/10

306

1998 Panairama reveals that it is only
parkland cleared not good bush
(unfortunately). JJA/NT 1/10.

Is this bushland? If so add?

NO - WHY NOT? 12/8
BECAUSE IT IS ONLY BUSH 13/108 OK

23/9
Line work done
as is, need to
check road
reserve

BUSHPLAN SITES CORRECTED

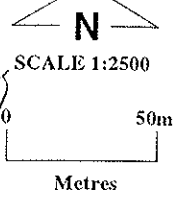
Subd: vision
approval notes
OK 29/10

BJK 20/7

BJK 8/98

Issues

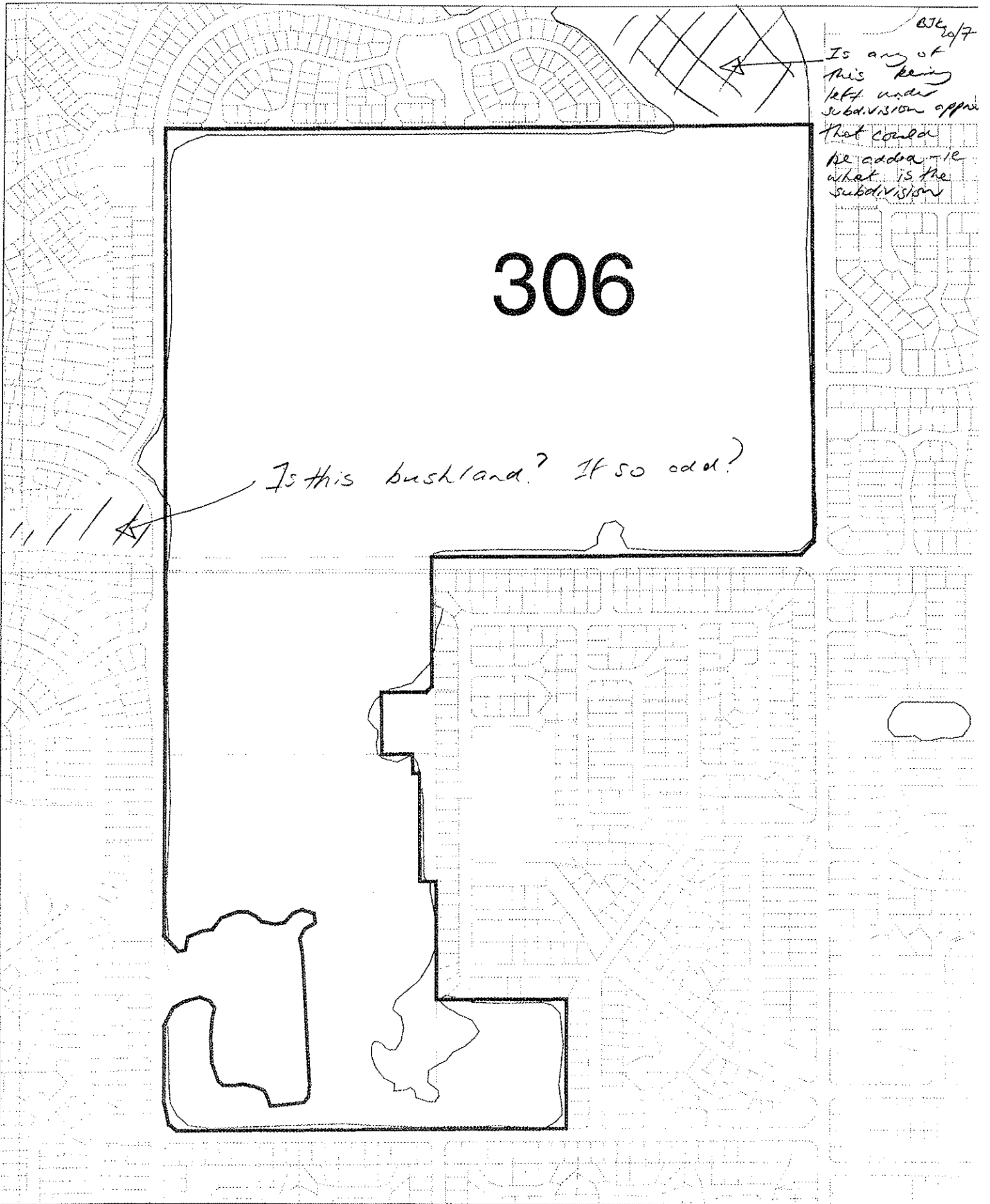
- bushland / veg mapping
- and additional (scattered)
- section of



WESTERN
AUSTRALIAN
PLANNING
COMMISSION



CUSTOMER
FOCUS
WESTERN AUSTRALIA



BJK 20/7
 Is any of this being left under subdivision approval that could be added - i.e. what is the subdivision?

Is this bushland? If so odd?

306

BUSHPLAN SITES CORRECTED



WESTERN AUSTRALIAN PLANNING COMMISSION

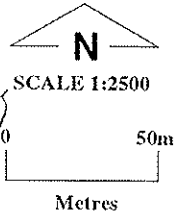


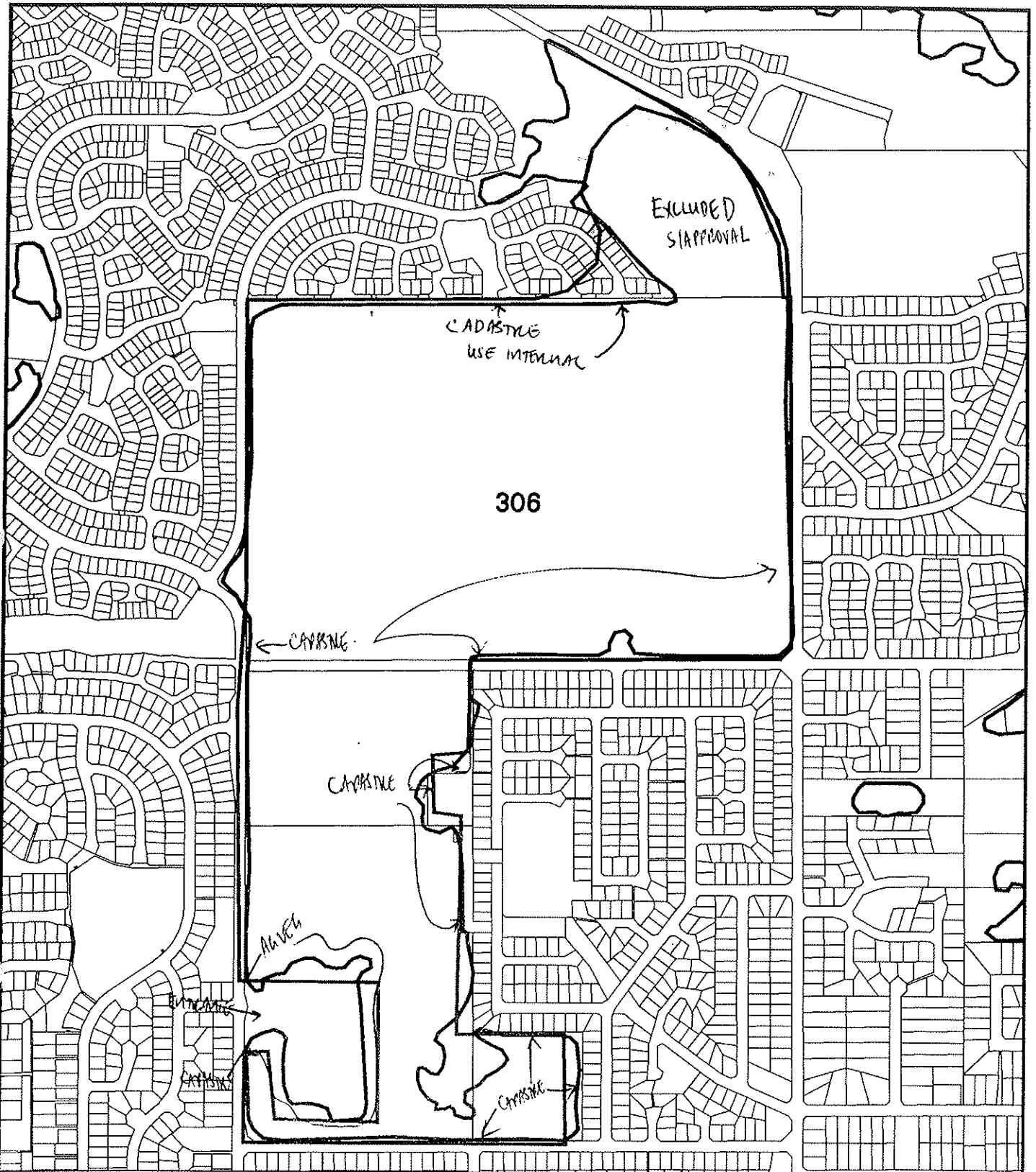
CUSTOMER FOCUS WESTERN AUSTRALIA

BJK 20/7




Issues

- bushland / veg mapping
- and additional (scanned)
- section of





bp site 306

-  AG VEG 1998 BOUNDARY THEME
-  Cadastre
-  Bushplan sites refno 1-500 SCP BOUNDARY THEME

MFP INTERNAL USE ONLY

Prepared By: Andrea Zappacosta

Prepared For:

Map Ident: plot980528_1

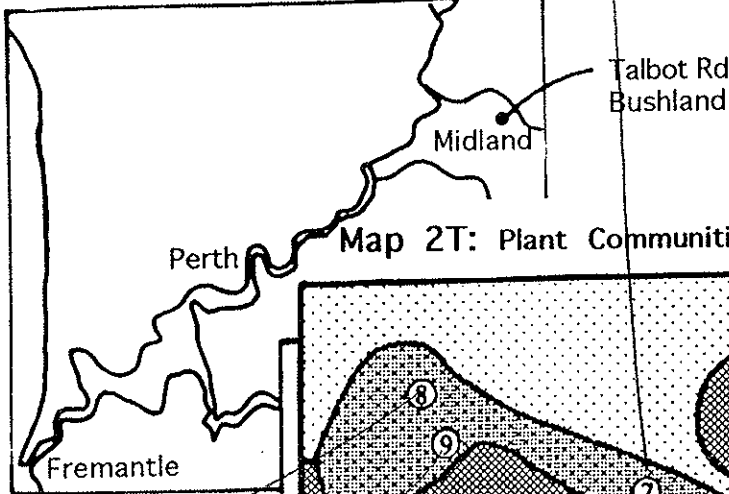
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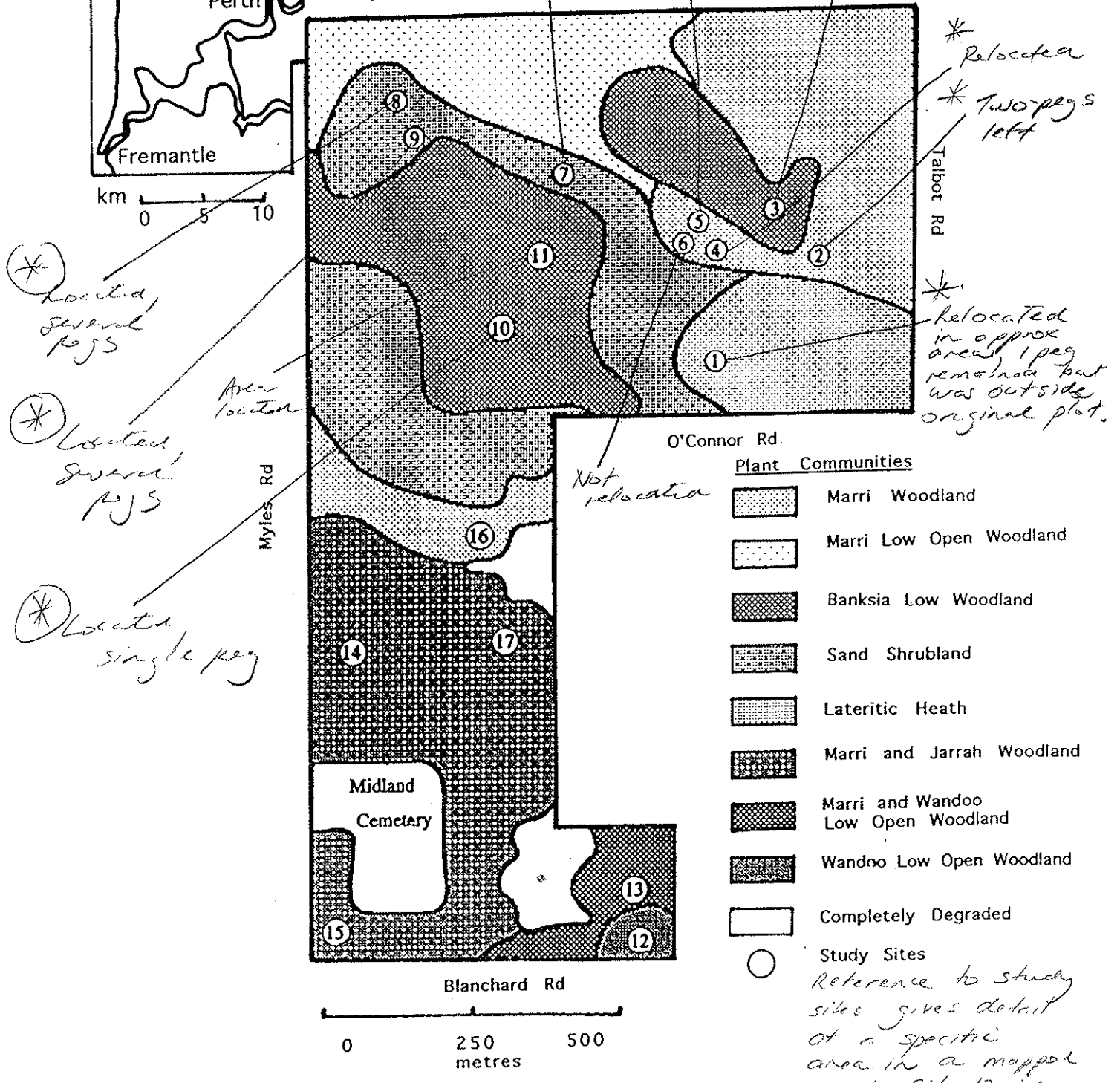
6 plots resampled.

Area searched no
pegs, relocate 2003,
too visible

Map 1T: Location of the Talbot Road Bushland



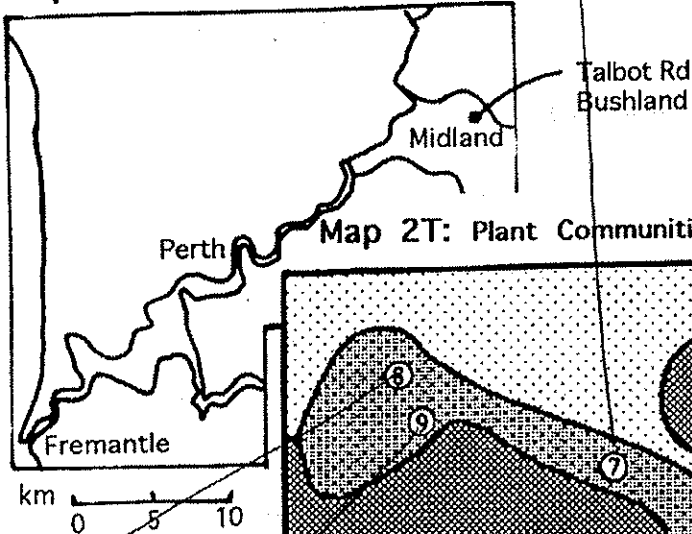
Map 2T: Plant Communities of the Talbot Road Bushland



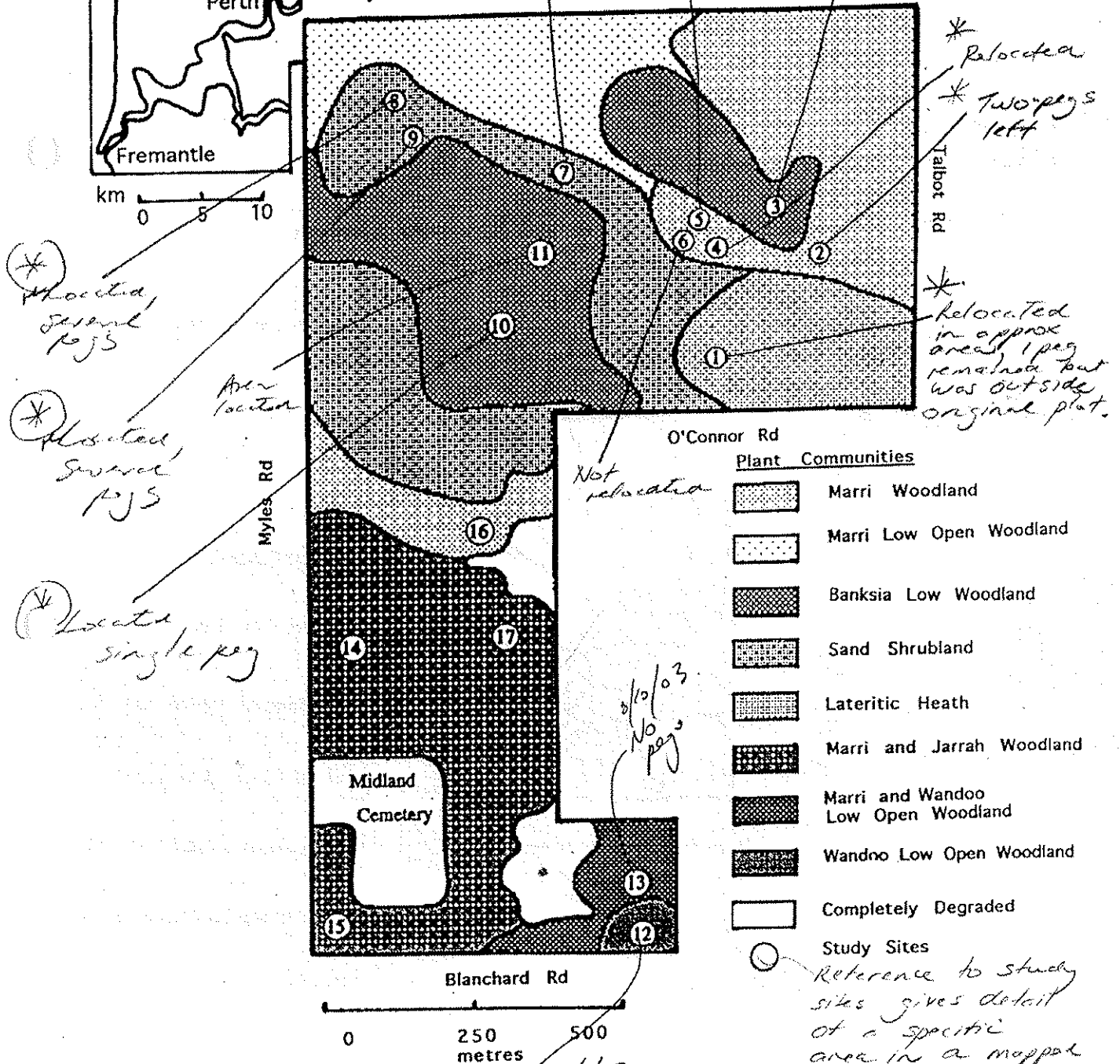
6 plots resampled.

Area searched, no
pegs, relocate 2003.
Too visible

Map 1T: Location of the Talbot Road Bushland

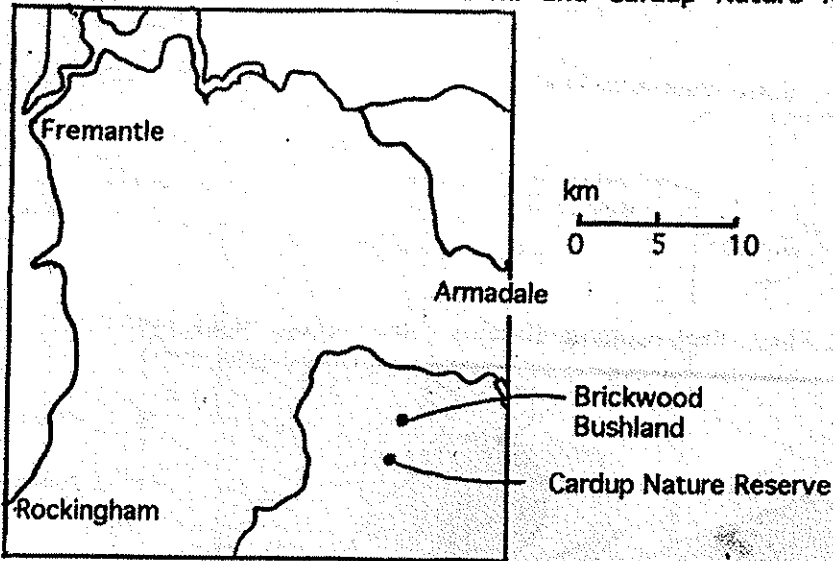


Map 2T: Plant Communities of the Talbot Road Bushland

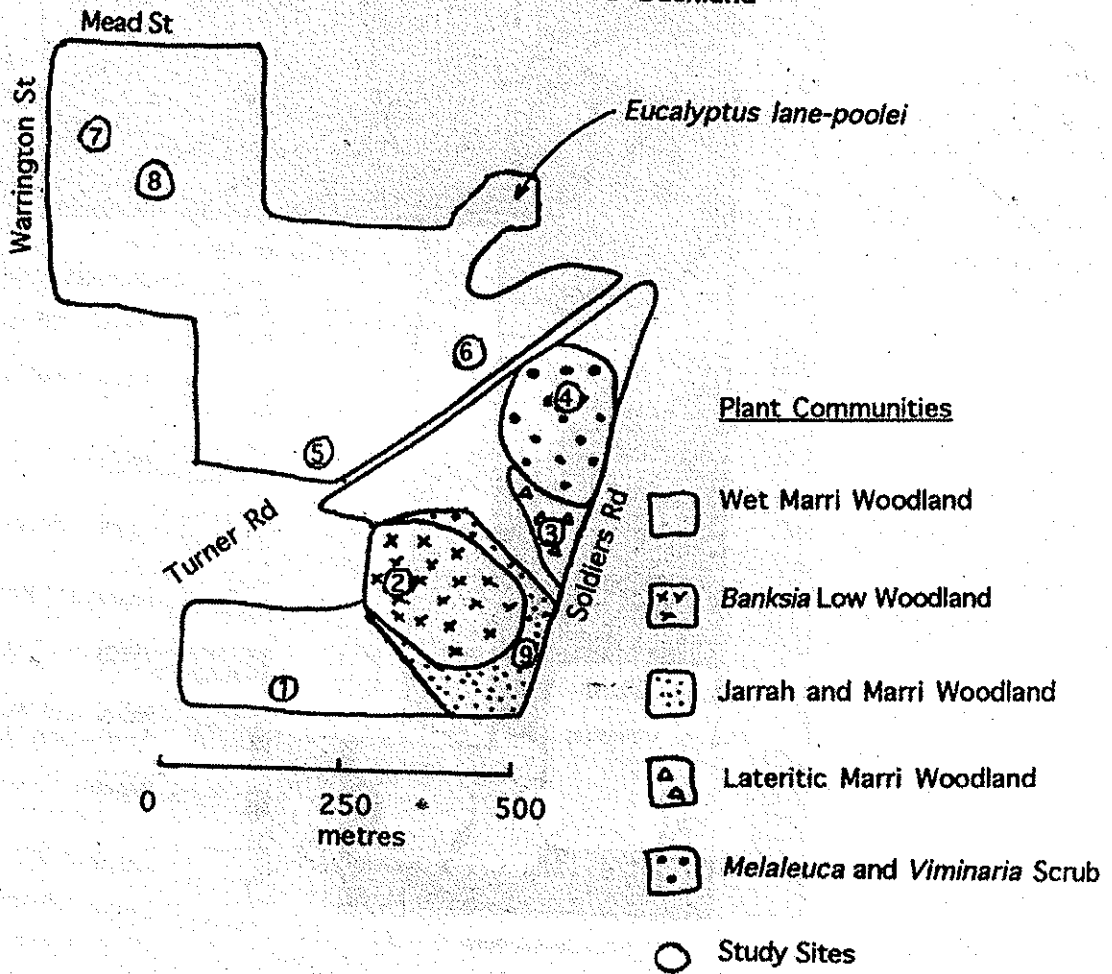


Reference to study sites gives detail of a specific area in a map unit. Site 12 is shown below

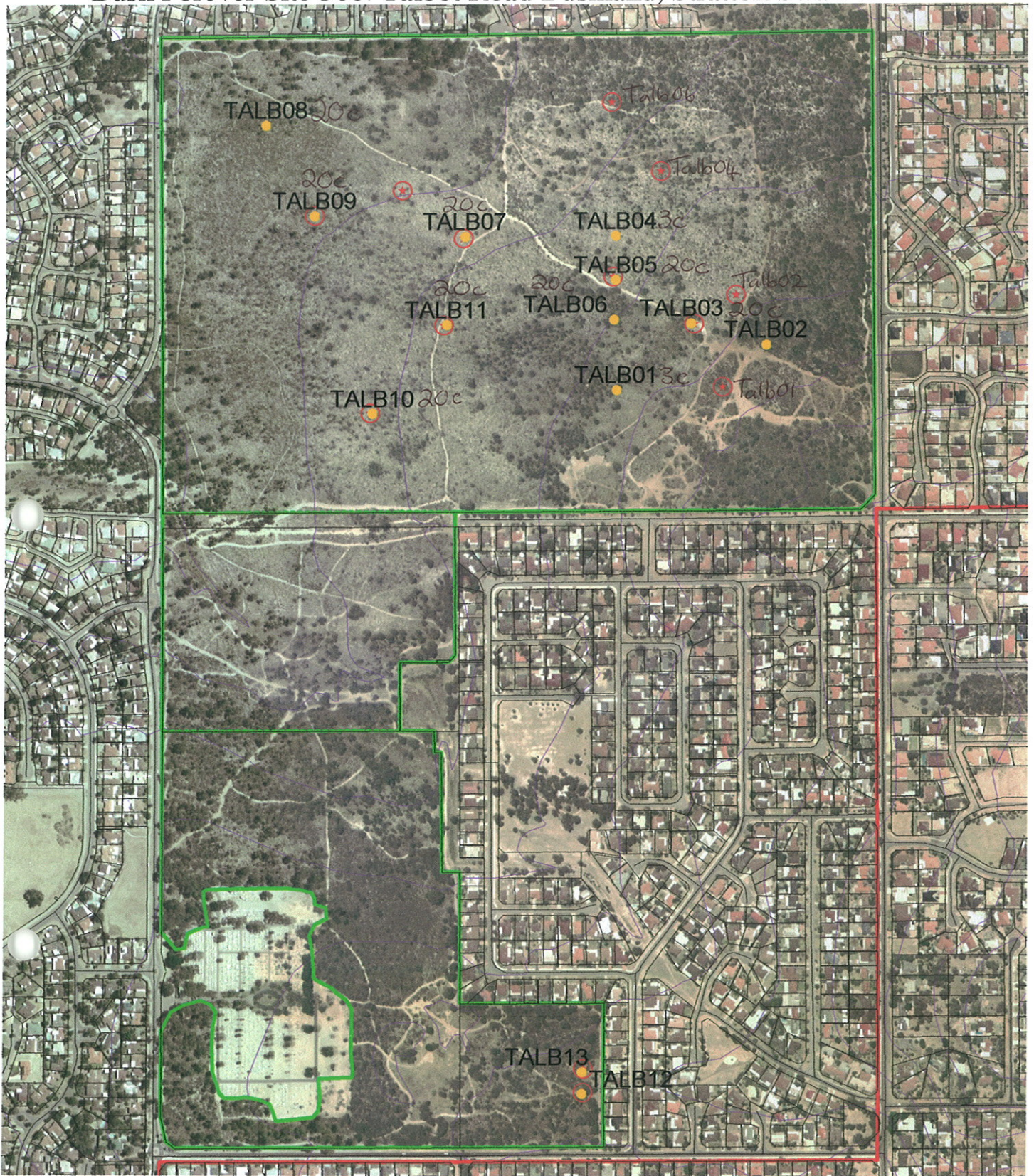
Map 1B and 1C:
Location of the Brickwood Bushland and Cardup Nature Reserve





Map 2B : Plant Communities of the Brickwood Bushland



Bush Forever Site 306: Talbot Road Bushland, Stratton/Swan View



 Bush Forever Sites
Bush Forever, MRS Ammendments

 Local Government Authority Boundaries

Floristic Survey Sites of the Southern Swan Coastal Plain

-  GJKENV (Keighery 1996)
-  GRIFFIN (Griffen 1994)
-  SCP (Gibson et al 1994)
-  SYS6ENV (DEP 1996 and Trudgen & Keighery 1995)
-  SYS6ENV2 (DEP 1996 and Trudgen & Keighery 1995)
-  CALM Threatened Ecological Communities 2002
-  Roads - Perth Metropolitan

100 0 100 200 Meters 1:7500



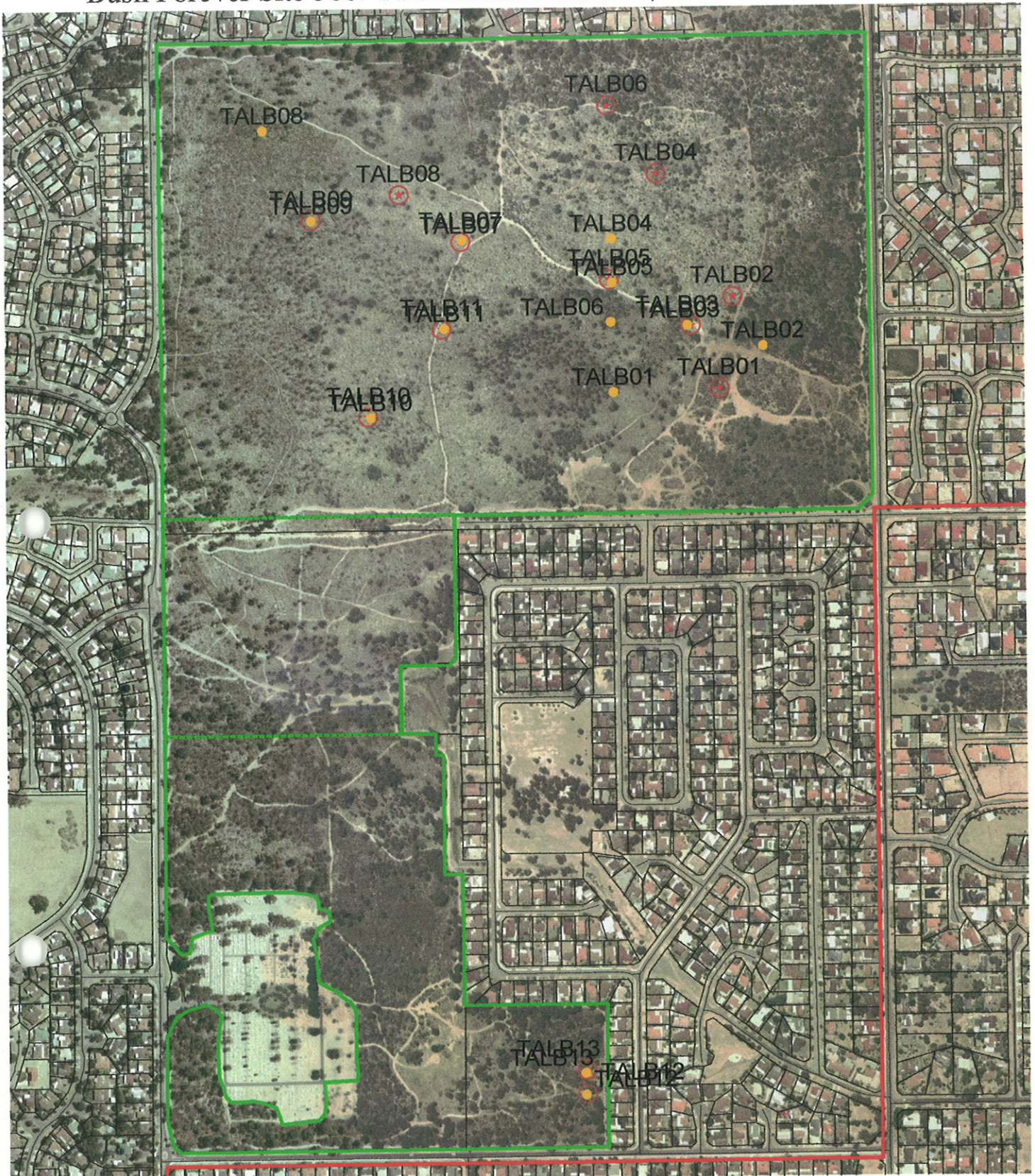
Projection: GDA94
MGA Zone 50


Department of Environment
Western Australia

*This map has been produced using
various data from other agencies.
No responsibility is accepted for
any error or omission.*

Aerial Photography: Perth Metro Area - North West 2003







Bush Forever Site 306: Talbot Road Bushland, Stratton/Swan View





 Bush Forever Sites
 Bush Forever, MRS Ammendments


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-  CALM Threatened Ecological Communities 2002

 Land Owner Type and Lot Numbers

 Roads - Perth Metropolitan

 Swan Coastal Plain - Eastern Boundary

100 0 100 200 Meters 1:7500



Projection: GDA94
 MGA Zone 50

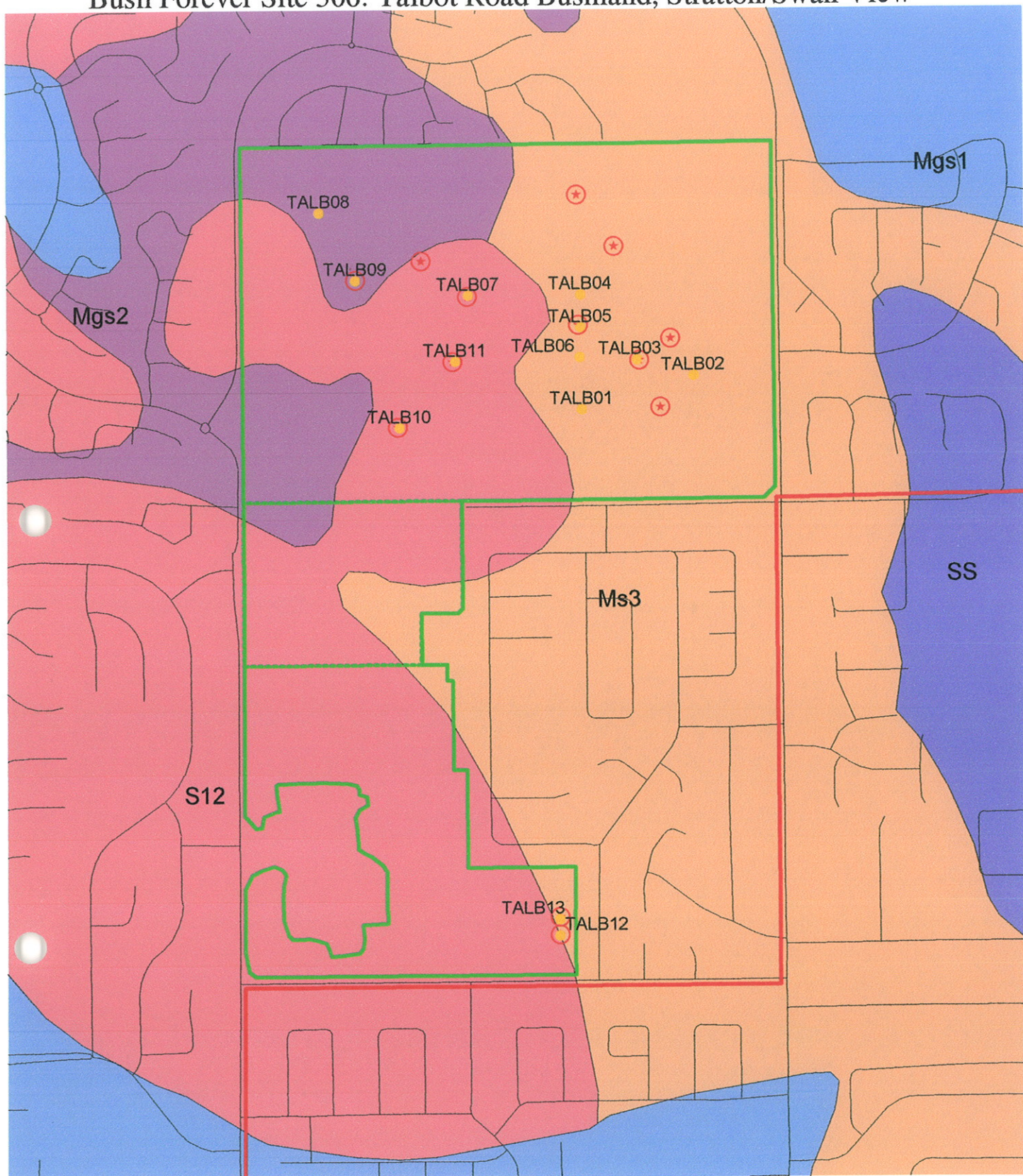
Department of Environment
 Western Australia


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Aerial Photography: Perth Metro Area - North West 2003

ENVIRONMENTAL GEOLOGY







Bush Forever Site 306: Talbot Road Bushland, Stratton/Swan View



 Bush Forever Sites
Bush Forever, MRS Ammendments

 Local Government Authority Boundaries

Floristic Survey Sites of the Southern Swan Coastal Plain

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-  CALM Threatened Ecological Communities 2002

 Roads - Perth Metropolitan
 Swan Coastal Plain - Eastern Boundary

0 400 Meters 1:10000



Projection: GDA94
MGA Zone 50

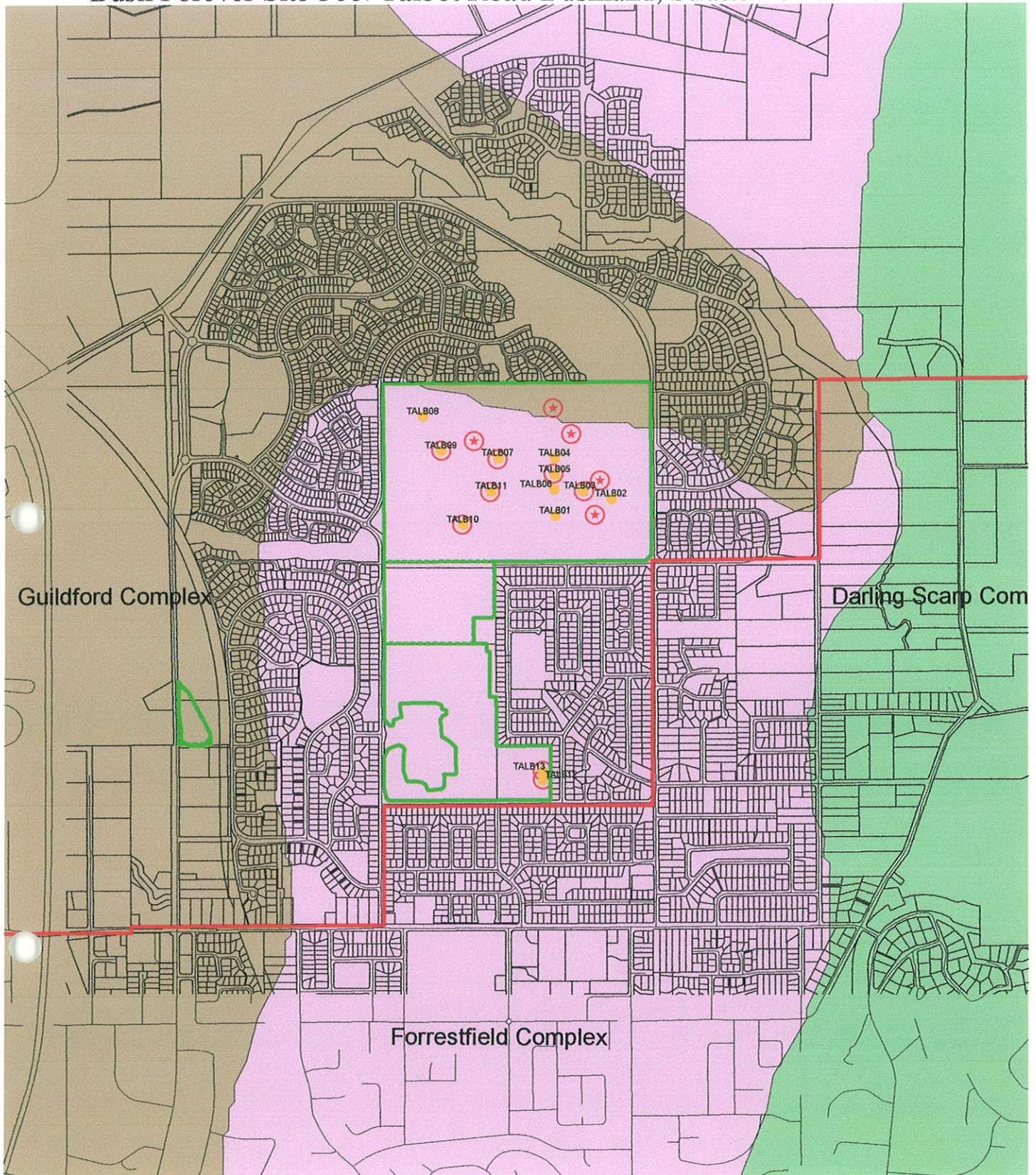
Department of Environment
Western Australia

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Aerial Photography: Perth Metro Area - North West 2003

VEGETATION COMPLEXES

Bush Forever Site 306: Talbot Road Bushland, Stratton/Swan View



Bush Forever Sites
Bush Forever, MRS Amendments

Local Government Authority Boundaries

Floristic Survey Sites of the Southern Swan Coastal Plain

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- GRIFFIN (Griffen 1994)
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- SYS6ENV (DEP 1996 and Trudgen & Keighery 1995)
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- CALM Threatened Ecological Communities 2002

Land Owner Type and Lot Numbers

Roads - Perth Metropolitan

Swan Coastal Plain - Eastern Boundary

300 0 300 600 Meters
1:20000

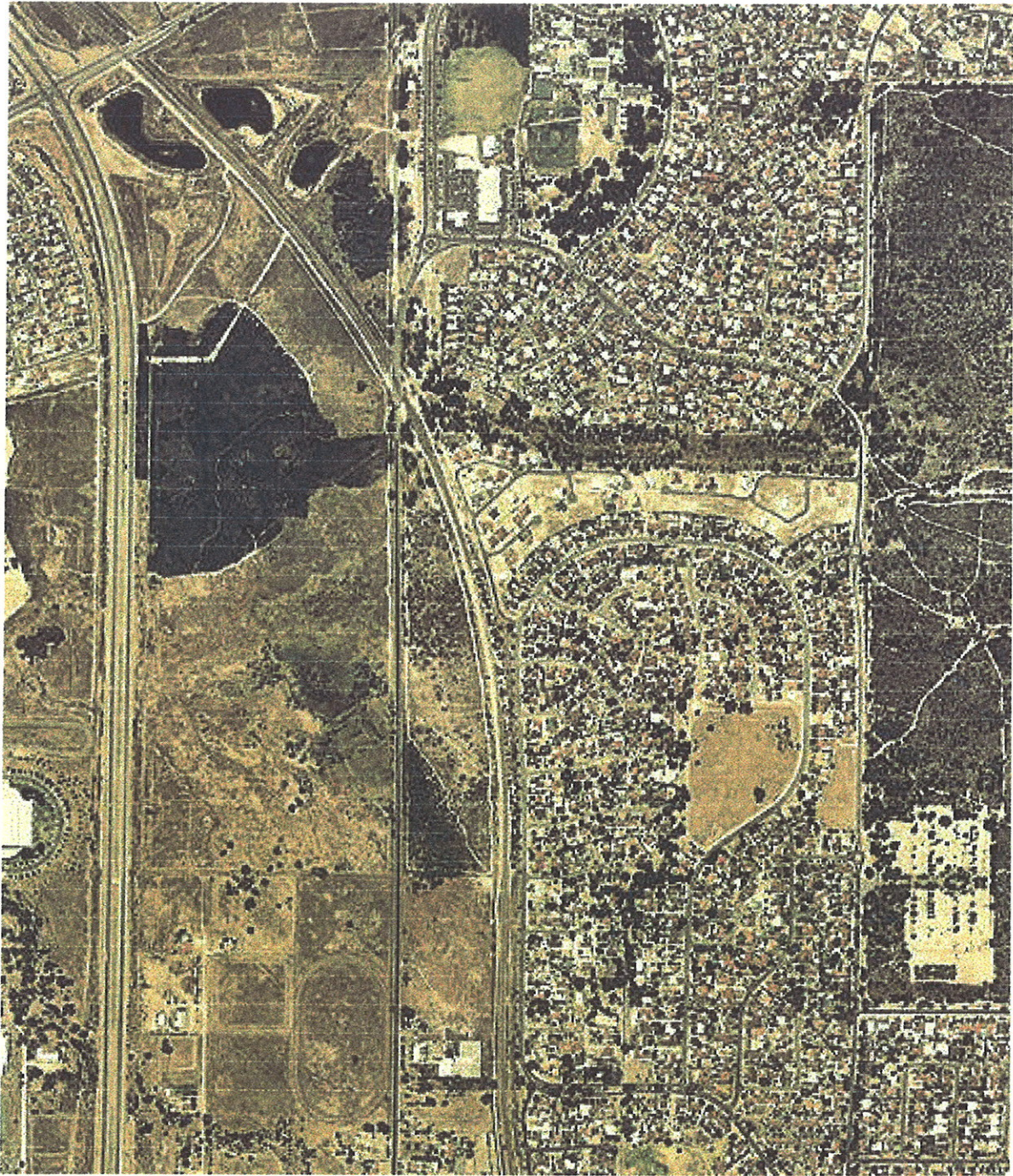


Projection: GDA94
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Department of Environment
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Aerial Photography: Perth Metro Area - North West 2003

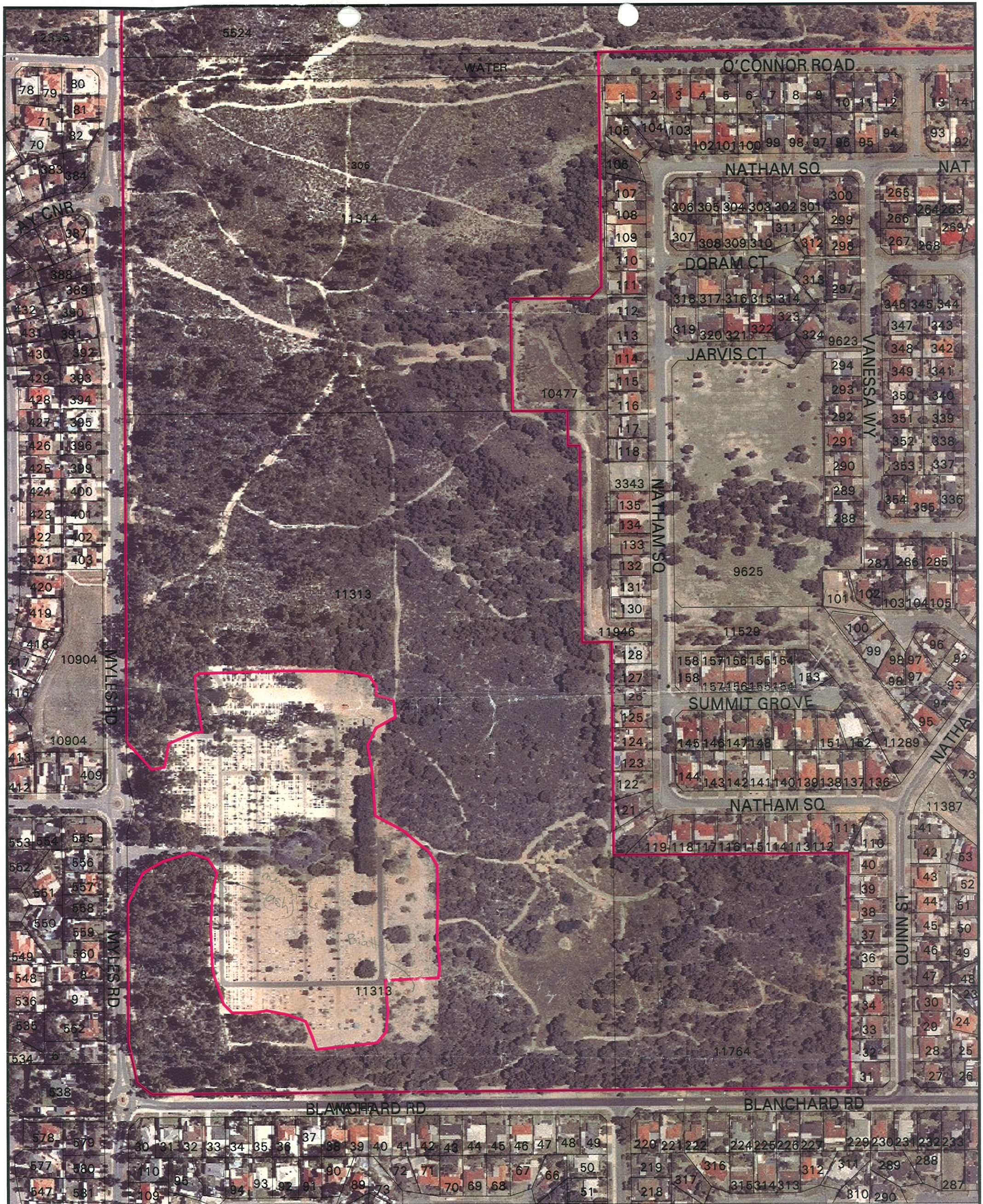


x125%
Panairama
1997



ISSUES

- Site 306 ? corridor to W looks like bushland (not mapped as veg by Ag WA)
- Site 309

BJK 20/7



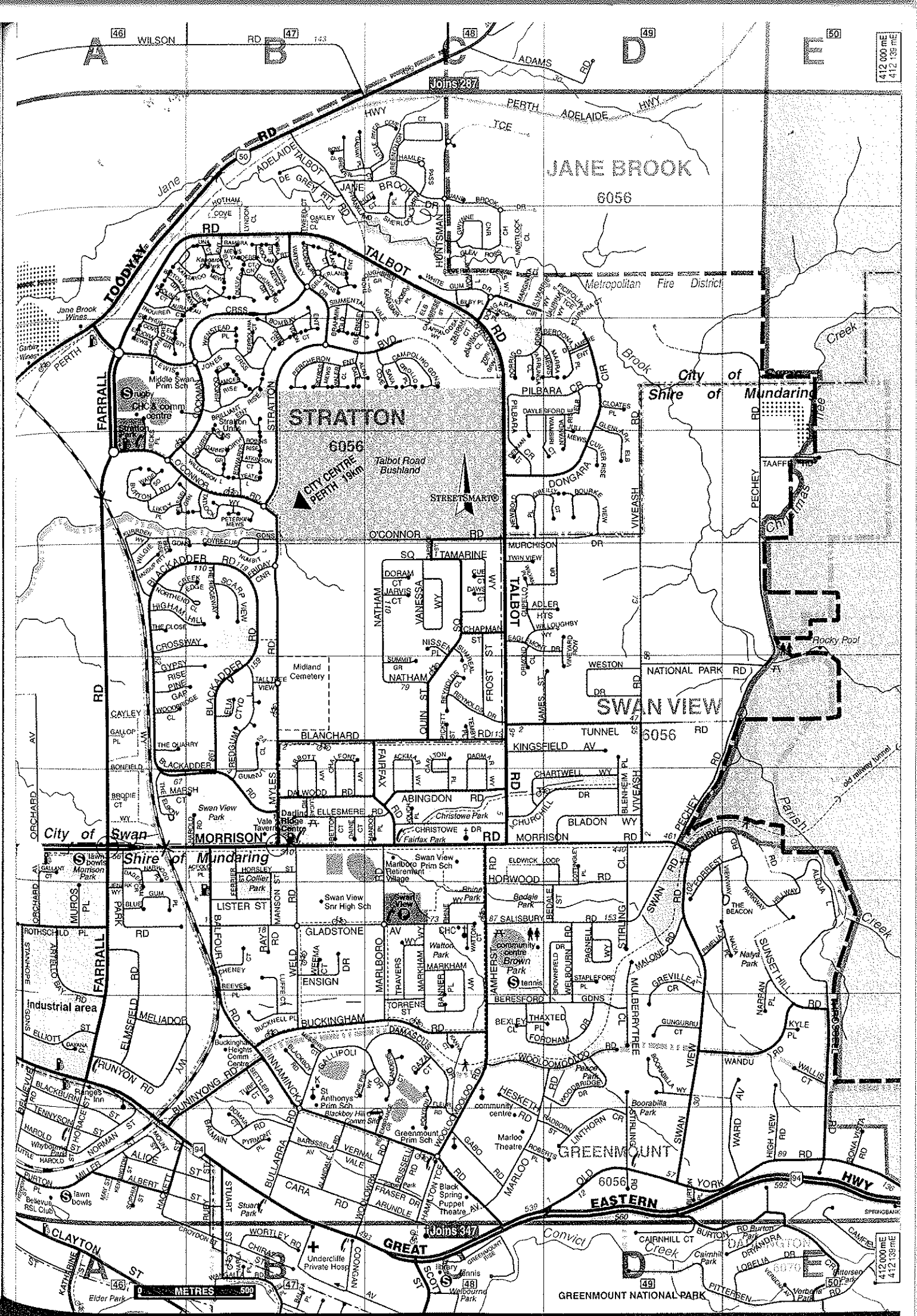
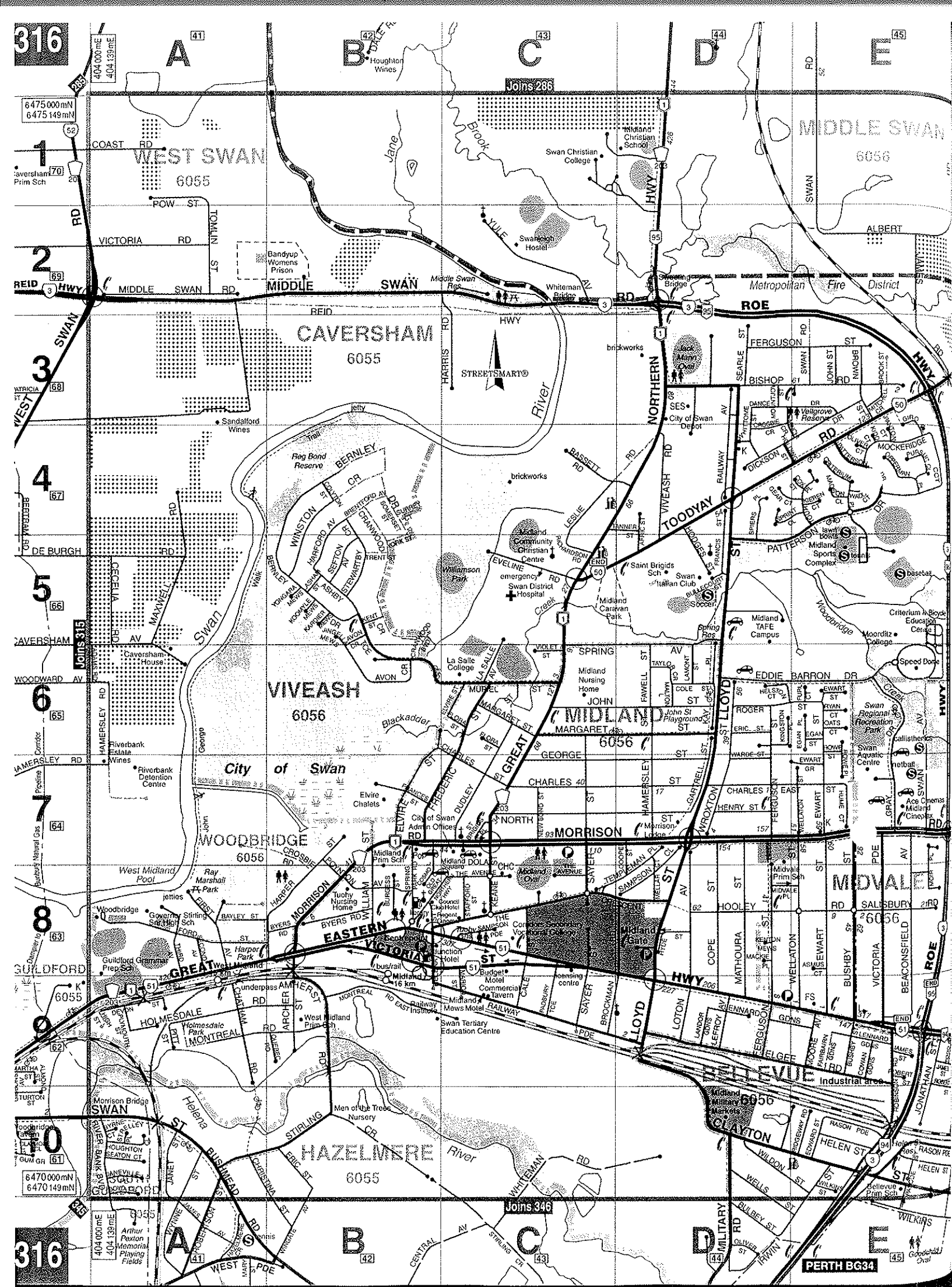
Midland Cemetery
Bush Forever Site 306
 Prepared for Site Visit
 20 July 2005

-  Bush Forever 2004 - (Draft) SCA Protection Areas
-  Cadastre with Lot Numbers

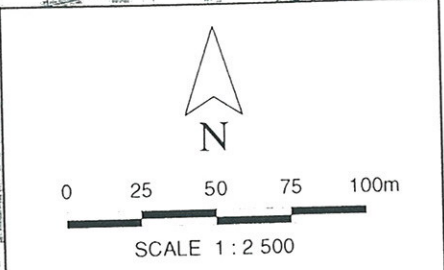
Map Ident: plot050719_1	DATE: 19 Jul 2005
Prepared By: Carissa Lloyd	Prepared For:
Scale 1:AUTO	DPI INTERNAL USE ONLY

0  125 m

1800 of wandoo - mani - cray - dead
huq, mani
→ old gravel pit in rubble
→ Wandoo unit gravel extraction (small)
Arundo donax
Sour sob
Pat curse
Lupine wild rad
 1 hr site visit to UCL 11764
 10/8/05



Mon 04 Feb



LEGEND
 - Botanical Survey Area
 - Cadastral Boundary
 - Protection Value Boundary

PROTECTION VALUES LEGEND

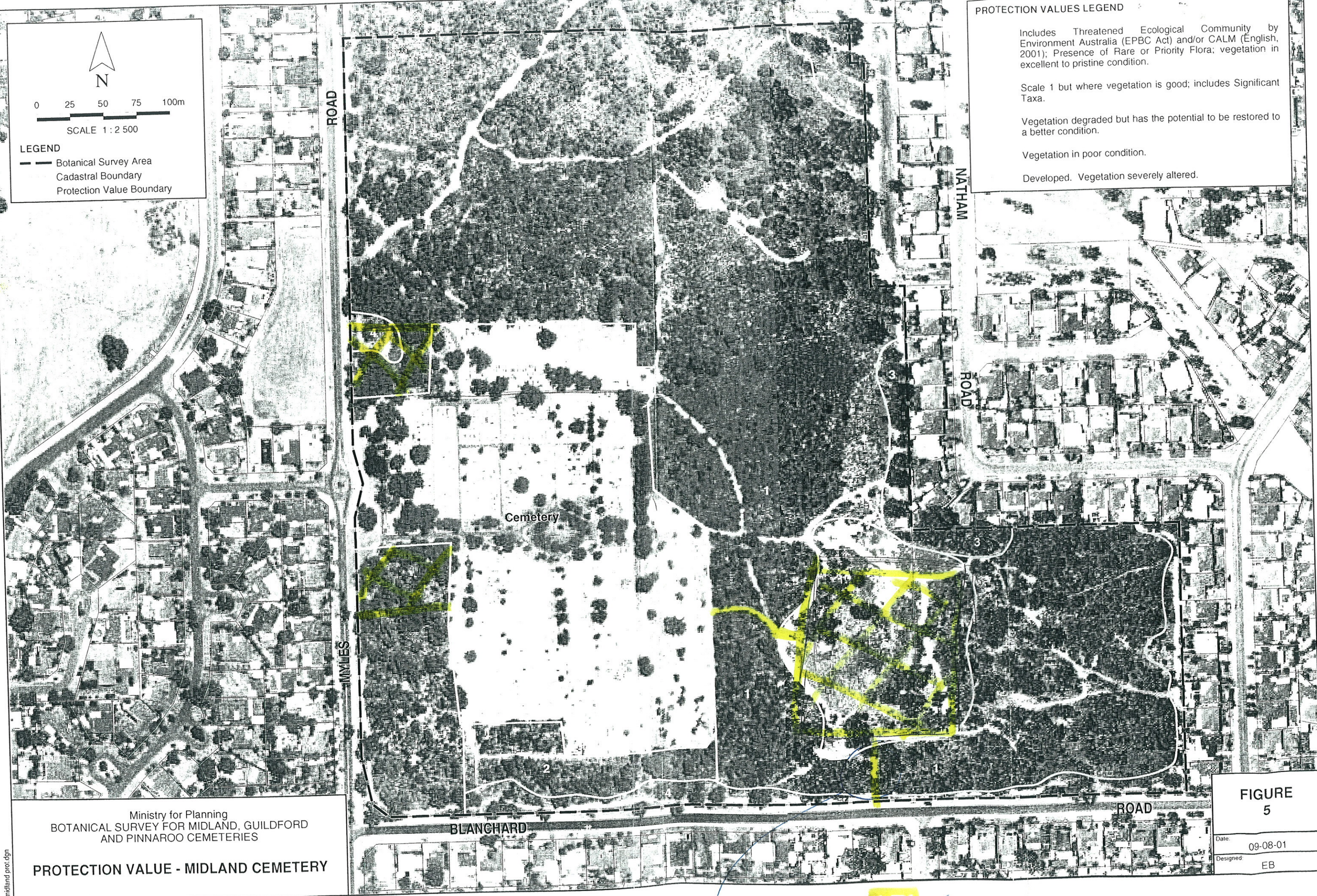
Includes Threatened Ecological Community by Environment Australia (EPBC Act) and/or CALM (English, 2001); Presence of Rare or Priority Flora; vegetation in excellent to pristine condition.

Scale 1 but where vegetation is good; includes Significant Taxa.

Vegetation degraded but has the potential to be restored to a better condition.

Vegetation in poor condition.

Developed. Vegetation severely altered.



Ministry for Planning
 BOTANICAL SURVEY FOR MIDLAND, GUILDFORD
 AND PINNAROO CEMETERIES

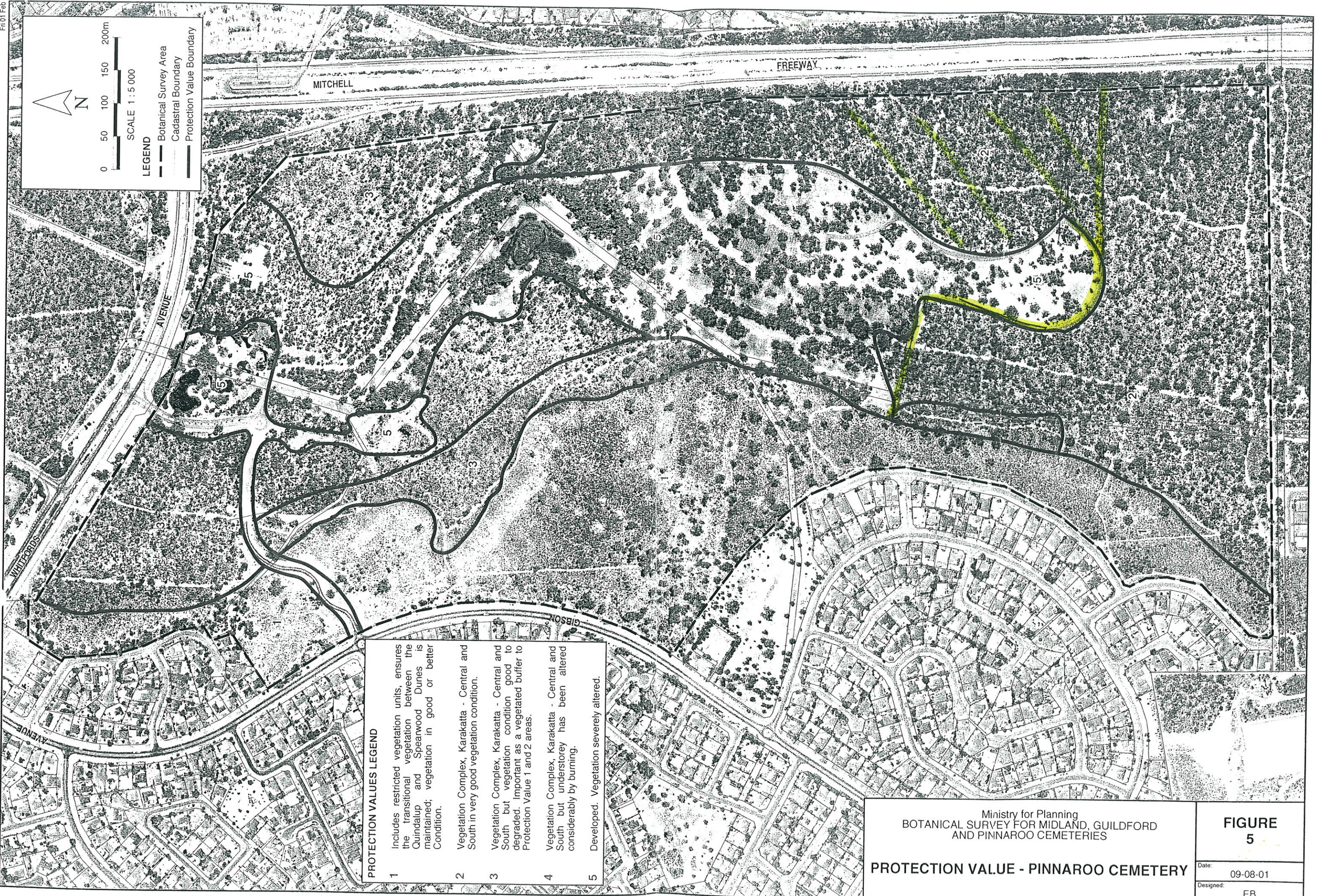
PROTECTION VALUE - MIDLAND CEMETERY

FIGURE 5

Date: 09-08-01
 Designed: EB

Minor exit Cemetery

midland.ppt.dgn



LEGEND

- Botanical Survey Area
- Cadastral Boundary
- Protection Value Boundary

0 50 100 150 200m

SCALE 1 : 5 000



PROTECTION VALUES LEGEND

- 1 Includes restricted vegetation units, ensures the transitional vegetation between the Quindalup and Spearwood Dunes is maintained; vegetation in good or better Condition.
- 2 Vegetation Complex, Karakatta - Central and South in very good vegetation condition.
- 3 Vegetation Complex, Karakatta - Central and South but vegetation condition good to degraded. Important as a vegetated buffer to Protection Value 1 and 2 areas.
- 4 Vegetation Complex, Karakatta - Central and South but understorey has been altered considerably by burning.
- 5 Developed. Vegetation severely altered.

Ministry for Planning
BOTANICAL SURVEY FOR MIDLAND, GUILDFORD
AND PINNAROO CEMETERIES

PROTECTION VALUE - PINNAROO CEMETERY

**FIGURE
5**

Date: 09-08-01
Designed: EB

7/03/02

Fr 01 Feb



0 25 50 75 100m

SCALE 1 : 2 500

LEGEND

- Botanical Survey Area
- Cadastral Boundary
- Protection Value Boundary

PROTECTION VALUES LEGEND

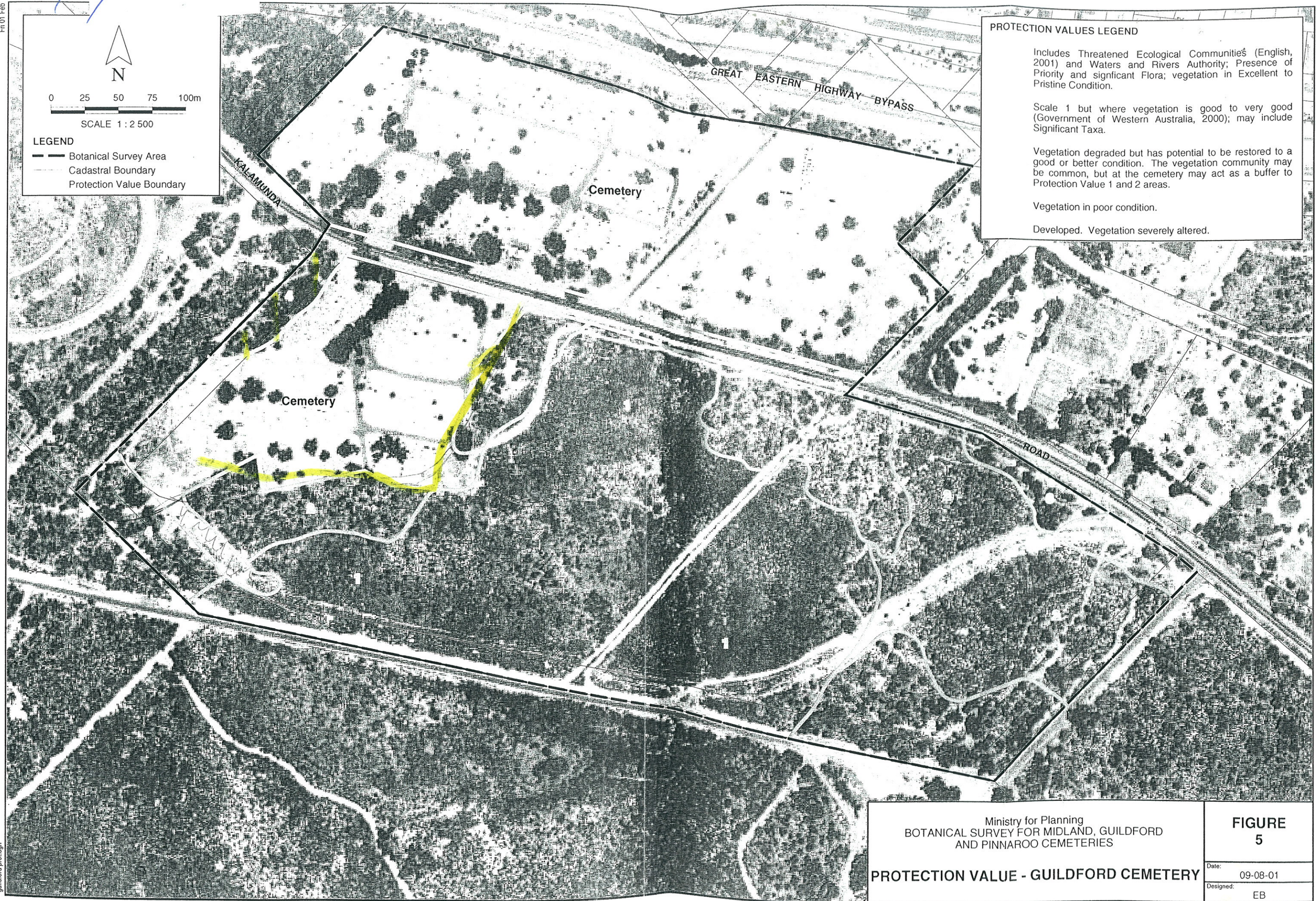
Includes Threatened Ecological Communities (English, 2001) and Waters and Rivers Authority; Presence of Priority and significant Flora; vegetation in Excellent to Pristine Condition.

Scale 1 but where vegetation is good to very good (Government of Western Australia, 2000); may include Significant Taxa.

Vegetation degraded but has potential to be restored to a good or better condition. The vegetation community may be common, but at the cemetery may act as a buffer to Protection Value 1 and 2 areas.

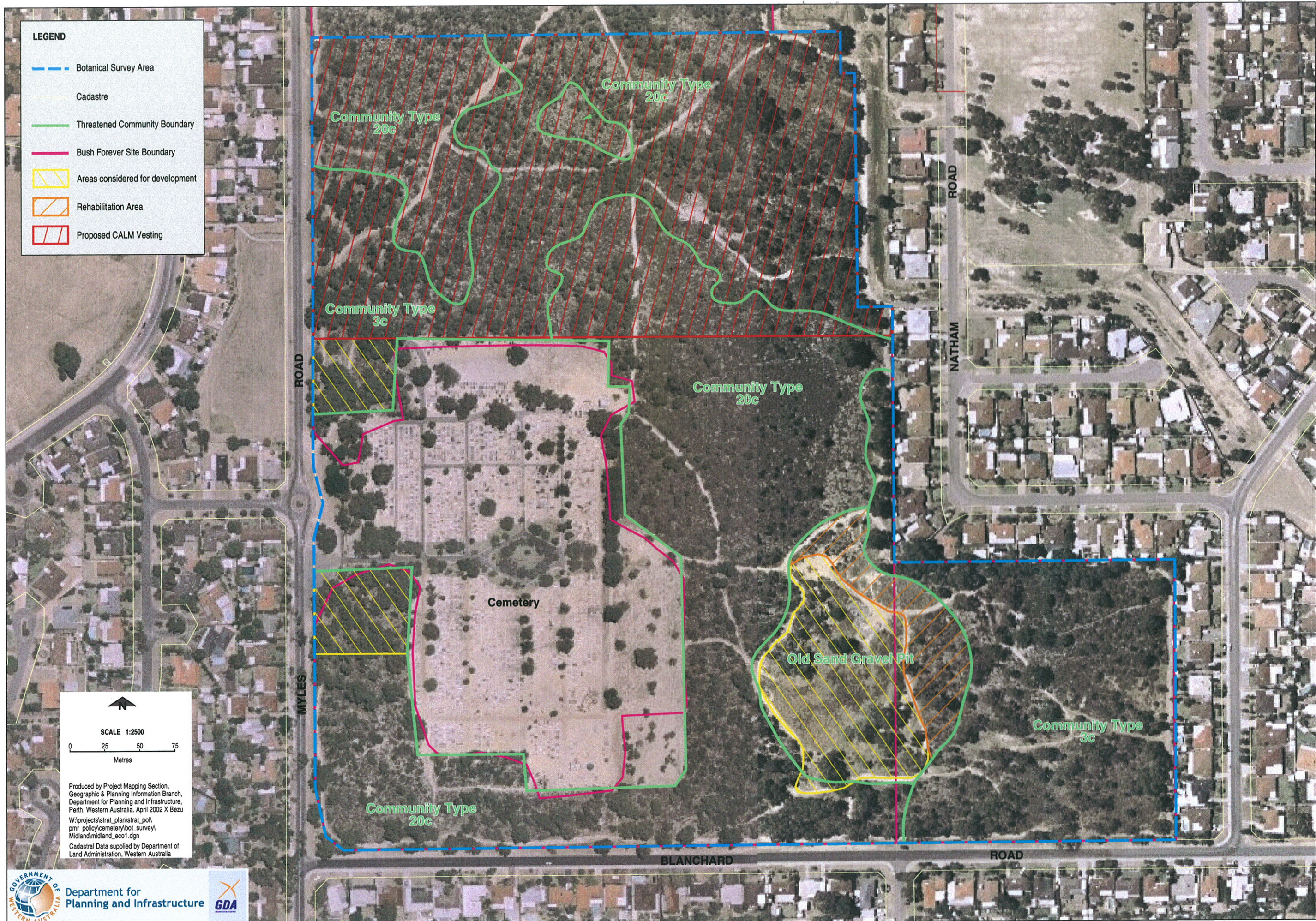
Vegetation in poor condition.

Developed. Vegetation severely altered.



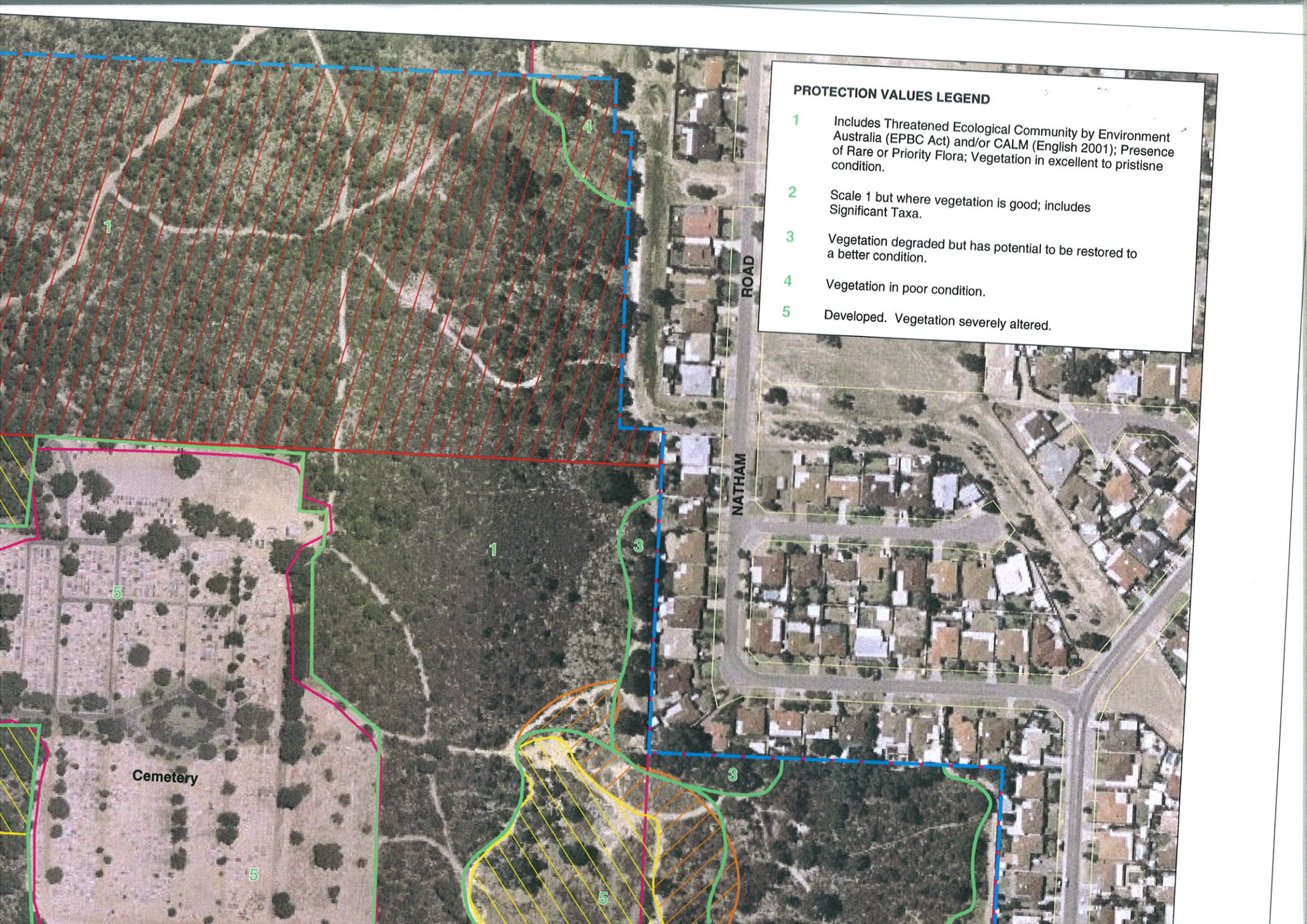
Ministry for Planning BOTANICAL SURVEY FOR MIDLAND, GUILDFORD AND PINNAROO CEMETERIES		FIGURE 5
PROTECTION VALUE - GUILDFORD CEMETERY		
Date:	09-08-01	
Designed:	EB	

guildford prot.dgn



MIDLAND CEMETERY
THREATENED ECOLOGICAL COMMUNITIES

Figure 1



PROTECTION VALUES LEGEND

- 1** Includes Threatened Ecological Community by Environment Australia (EPBC Act) and/or CALM (English 2001); Presence of Rare or Priority Flora; Vegetation in excellent to pristine condition.
- 2** Scale 1 but where vegetation is good; includes Significant Taxa.
- 3** Vegetation degraded but has potential to be restored to a better condition.
- 4** Vegetation in poor condition.
- 5** Developed. Vegetation severely altered.

1

4

1

3

5

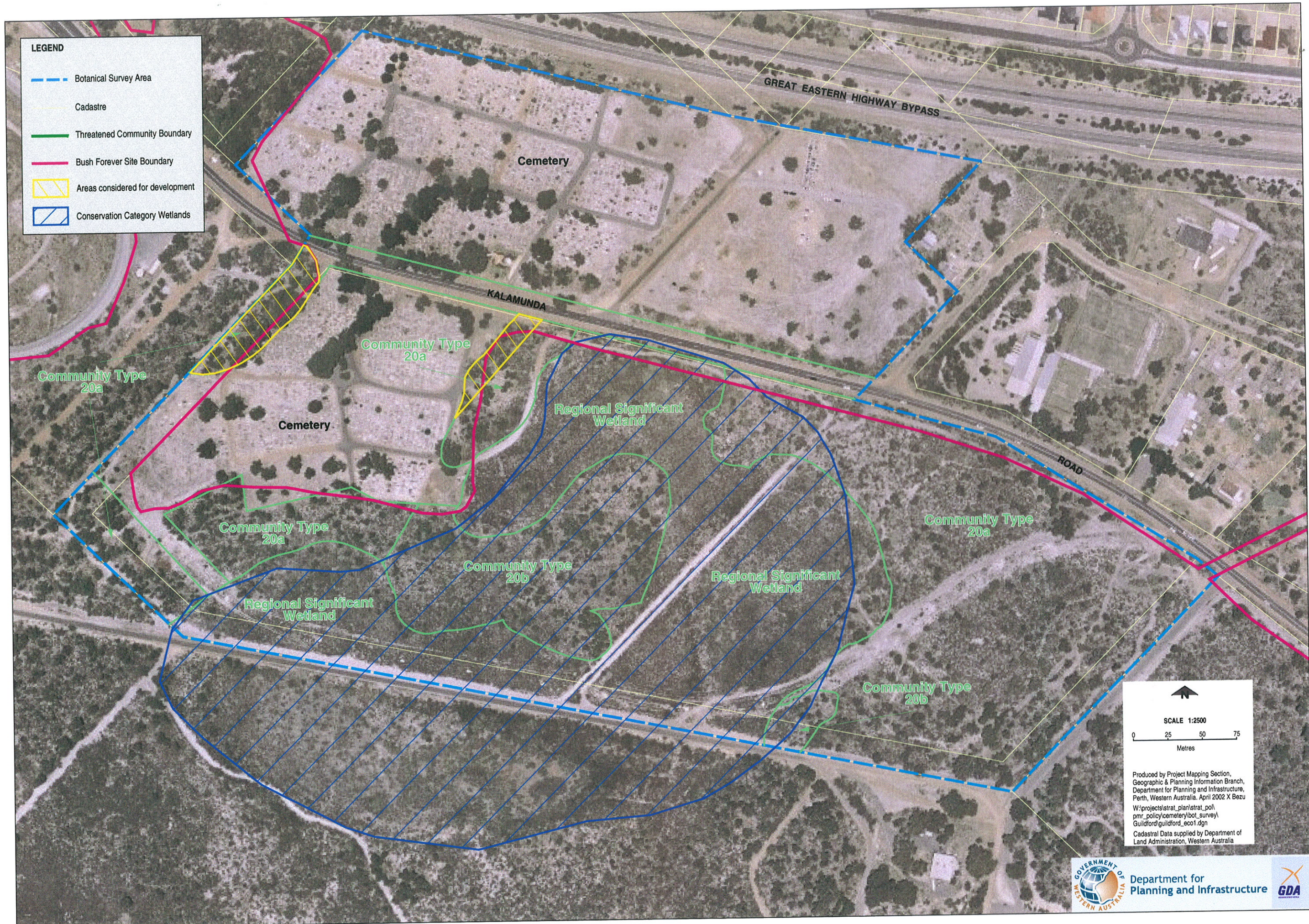
Cemetery

5

5

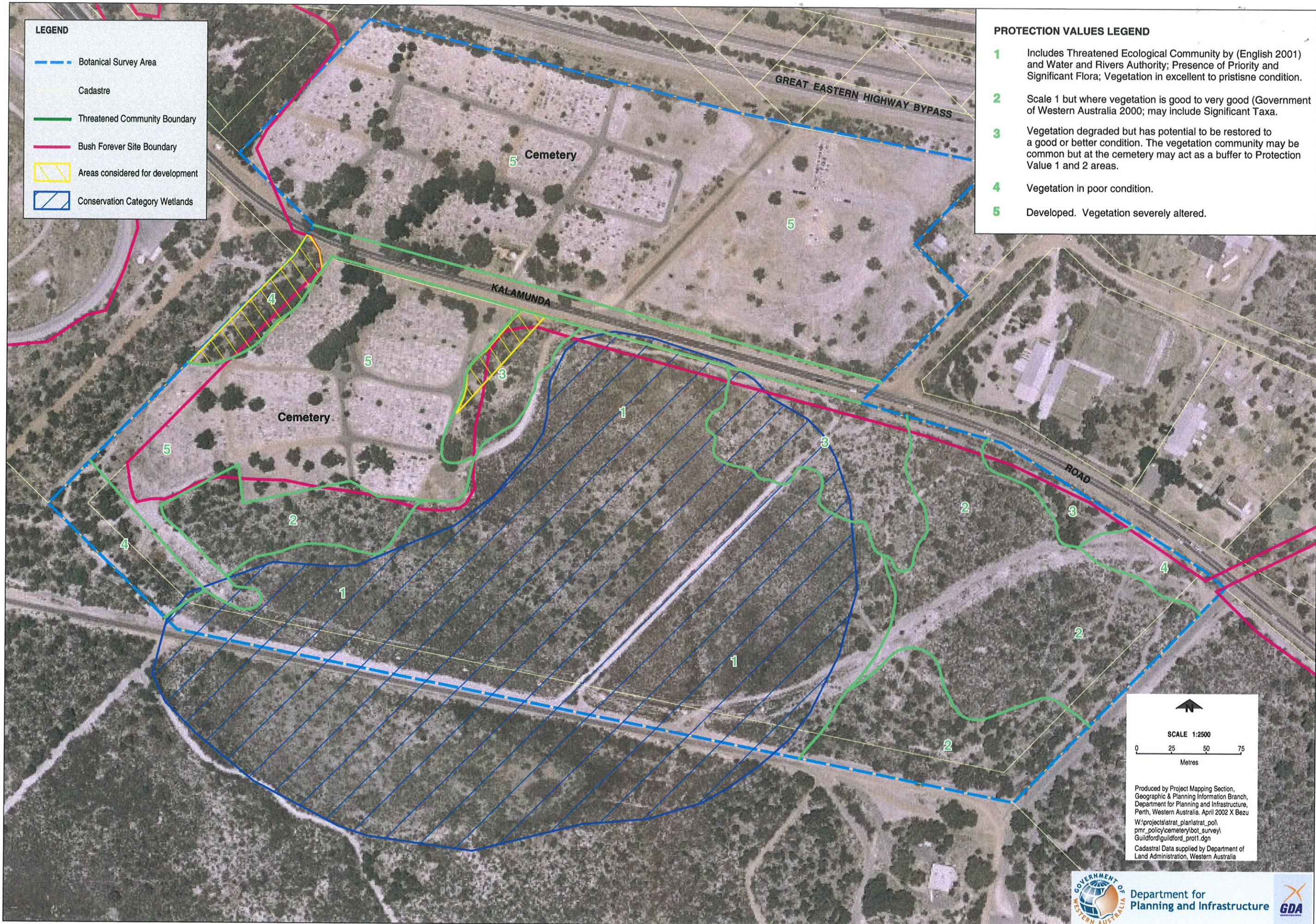
3

NATHAM ROAD



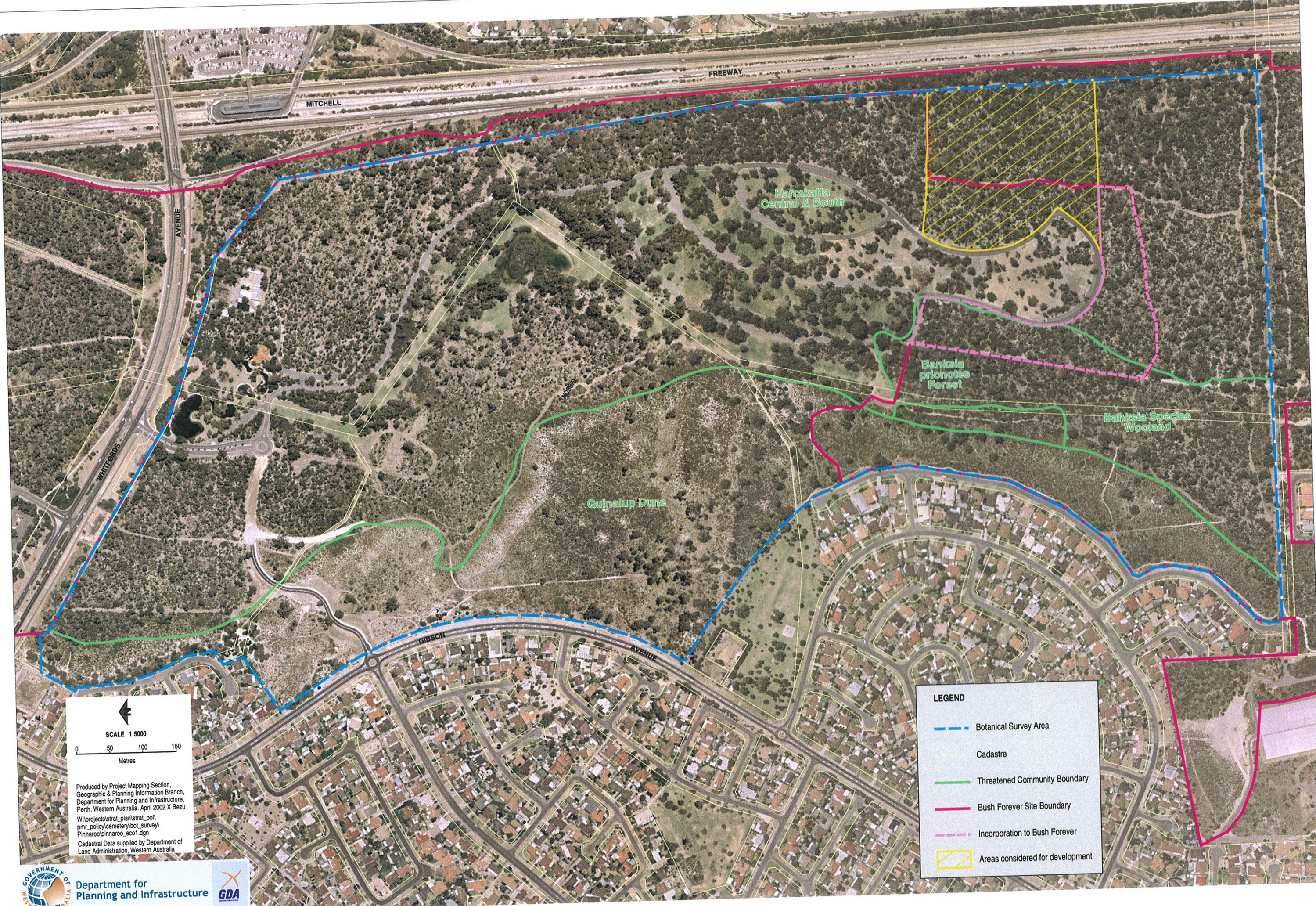
GUILDFORD CEMETERY
THREATENED ECOLOGICAL COMMUNITIES

Figure 1



GUILDFORD CEMETERY
PROTECTION VALUES

Figure 2



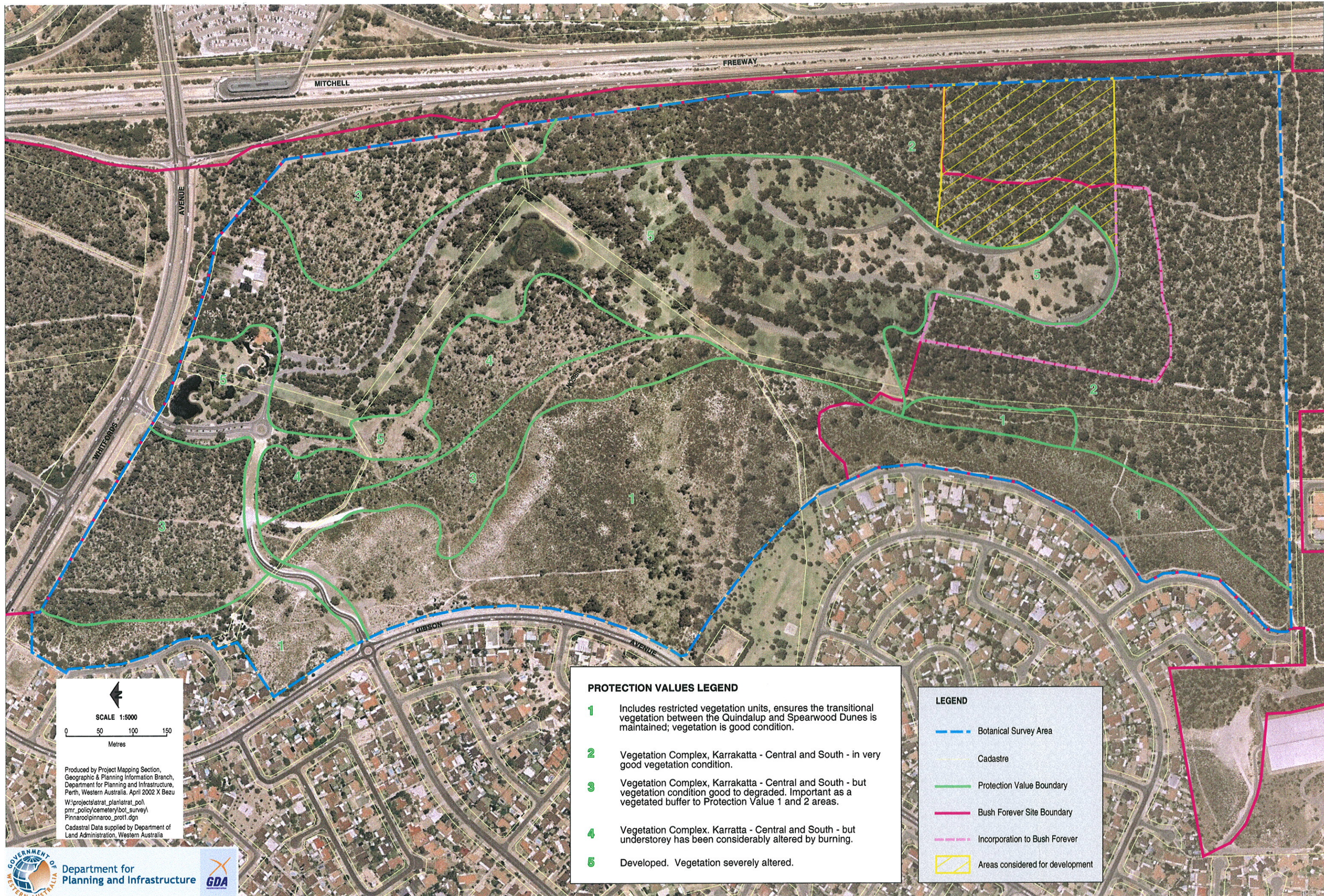
LEGEND

- - - Botanical Survey Area
- Cadastre
- Threatened Community Boundary
- Bush Forever Site Boundary
- - - Incorporation to Bush Forever
- Areas considered for development

SCALE 1:5000
 0 50 100 150
 Metres

Produced by Project Mapping Section,
 Geographic & Planning Information Branch,
 Department for Planning and Infrastructure,
 Perth, Western Australia, April 2002 X Bezu
 W:\projects\strat_plan\strat_pol\pnr_policy\cemetery\bot_survey\pinnaroo\pinnaroo_eco1.dgn
 Cadastral Data supplied by Department of
 Land Administration, Western Australia

Figure 1



SCALE 1:5000
 0 50 100 150
 Metres

Produced by Project Mapping Section,
 Geographic & Planning Information Branch,
 Department for Planning and Infrastructure,
 Perth, Western Australia. April 2002 X Bezu
 W:\projects\strat_plan\strat_pol\pnr_policy\cemeterylbot_survey\pinnaroo\pinnaroo_prot1.dgn
 Cadastral Data supplied by Department of
 Land Administration, Western Australia

Figure 2

Plotorsource	N	Genus	Species	InfraspRank	InfraspName	Informal	ConsvCode
talb1		Acacia	ericifolia				
talb1		Acacia	pulchella				
talb1		Actinotus	leucocephalus				
talb1		Allocasuarina	humilis				
talb1		Amphipogon	turbinatus				
talb1		Austrodanthonia	caespitosa				
talb1		Austrostipa	compressa				
talb1		Austrostipa	pycnostachya				
talb1		Baeckea	camphorosmae				
talb1		Beaufortia	purpurea				
talb1		Borya	scirpoidea				
talb1	*	Briza	maxima				
talb1		Burchardia	congesta				
talb1		Burchardia	multiflora				
talb1		Caesia	micrantha				
talb1		Calothamnus	sanguineus				
talb1		Cassytha	racemosa				
talb1		Chamaescilla	corymbosa	var.	corymbosa		
talb1		Chamaescilla	versicolor				
talb1		Chorizema	dicksonii				
talb1		Cryptandra	pungens				
talb1		Cyanicula	gemmata				
talb1		Dillwinia	aff. cinerascens (Gibson et al. 1994 talb1)				
talb1		Drosera	erythrorhiza	subsp.	erythrorhiza		
talb1		Drosera	macrantha	subsp.	macrantha		
talb1		Drosera	menziesii	subsp.	penicillaris		
talb1		Eucalyptus	wandoo	subsp.	wandoo		
talb1	*	Gladiolus	caryophyllaceus				
talb1		Gompholobium	marginatum				
talb1		Gonocarpus	pithyoides				
talb1		Goodenia	caerulea				
talb1		Goodenia	micrantha				
talb1		Hakea	erinacea				
talb1		Hakea	incrassata				
talb1		Hakea	trifurcata				
talb1		Hakea	undulata				
talb1		Hibbertia	hypericoides				
talb1		Homalosciadium	homalocarpum				
talb1		Hyalosperma	cotula				
talb1		Hydrocotyle	pilifera				
talb1		Hypocalymma	angustifolium				
talb1		Hypoxis	occidentalis	var.	occidentalis		
talb1		Jacksonia	alata				
talb1		Jacksonia	condensata				
talb1		Laxmannia	grandiflora	subsp.	grandiflora		
talb1		Lechenaultia	biloba				
talb1		Lepidobolus	preissianus				
talb1		Lepidosperma	sp. (Eastern terete) (BJ Keighery and N Gibson 232)				
talb1		Lepidosperma	squamatum				
talb1		Leucopogon	polymorphus				
talb1		Levenhookia	pusilla				
talb1		Levenhookia	stipitata				
talb1		Logania	campanulata				
talb1		Lyginia	barbata				
talb1		Melaleuca	scabra				

Plot	source	No	Genus	Species	Infraspecific Rank	Infraspecific Name	Informal	Conservation Code
talb1			Neurachne	alopeкуроidea				
talb1			Opercularia	vaginata				
talb1		*	Pentaschistis	airoides				
talb1			Pimelea	imbricata	var.	piligera		
talb1			Pterostylis	recurva				
talb1			Pyrorchis	nigricans				
talb1			Schoenus	subflavus	subsp.	subflavus		
talb1			Schoenus	unispiculatus				
talb1			Siloxerus	humifusus				
talb1			Stylidium	breviscopum				
talb1			Stylidium	bulbiferum				
talb1			Stylidium	dichotomum				
talb1			Stylidium	petiolare				
talb1			Stylidium	repens				
talb1			Synaphea	acutiloba				
talb1			Thelymitra	canaliculata				
talb1			Thelymitra	crinita				
talb1			Thysanotus	arenarius				
talb1			Thysanotus	manglesianus				
talb1			Thysanotus	sparteus				
talb1			Tricoryne	humilis				
talb1			Xanthorrhoea	preissii				
talb1			Xanthosia	candida				

10/10/2002 100 immature to accurately re-score, relocated but peg obvious.

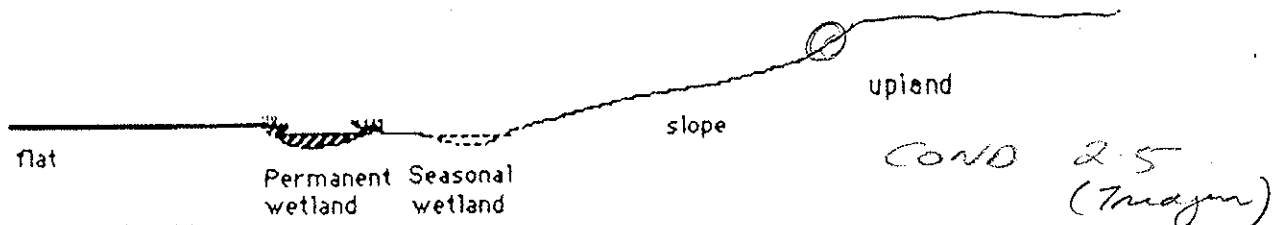
SWAN COASTAL PLAIN SURVEY RECORDING SHEET

(Please use pencil not biro)

QUADRAT No. TALB 1 VEGETATION TYPE HAKEA TRIFURCATA HEATHLAND
 DATE FIRST TRIP 28.10.90 BOTANIST A. R. KEIGHLEY
 DATE SECOND TRIP 8/8/91 BOTANIST GJK, BTIK
 VOLUNTEERS FIRST TRIP Ellen Neal / Peter / BIR / BACKHOUSE / MAUREEN / GEOFF / MARY / JAN

VOLUNTEERS SECOND TRIP 11/91
1/9/12/9

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 2-10% Drainage: well or mod or poor Wet: All year or winter / spring

Litter (% cover) < 2-10% Surface soil bale brown Sandy loam Sub-surface soil bale yellow brown
 Mapped 2F6 (King Wells 1990) various laterite Sandy loam

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

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

LIFE FORM	TREES	MALLEES				
	COVER CLASS (%)	7-15m 5-15m	Under 5m	MALLEE SHRUB less than 8m	MALLEE TREE 8m or more	15m 10m 5m
LIFE FORM	SHRUBS	SHRUBS	SHRUBS	SHRUBS	Height (metres) 3m 2m 1m (30-50)	
COVER CLASS (%)	10/10	over 2m	2.0-1.5m	1.5-1.0m		1.0m-0.5m
LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES		
COVER CLASS (%)	under 10cm	under 5m	under 5m (except creepers)	over 5m	under 5m	2.0m 1.5m 1.0m 0.5m 0m

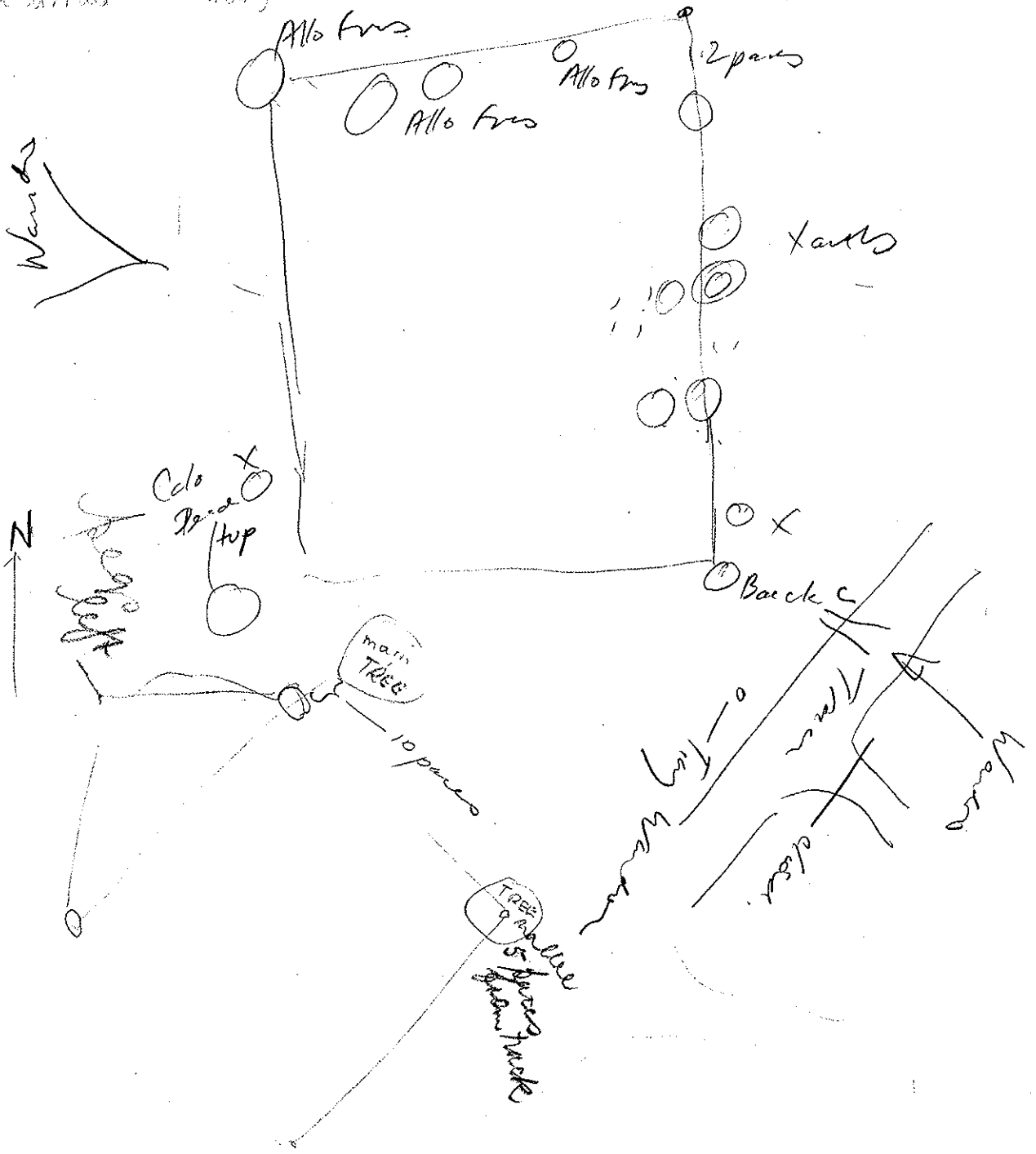
TALB

Baedea campocoma

Lepido ...

taxmannia
Xanthorhiza - shrub

O Manri



O CONNOR ...

TO RECORD - 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	No 17
Malke (Seedling)	
(Seedling nr middle)	

MALLEES

Chanya due flat	⊕
re-location 77	

HERBS (indicate height classes)

Nakea stipitata	1
N. undulata	2
Beaufortia purpurea	4
Allocasuarina humilis	5
Nakea incrassata	6
Calothamus sanguineus	7
Nakea erinacea	8
Diarrhea pulchella	9
Breuzeria dicksonii	10
Cryptandra pungens	11
Thibertia hypericoides	12
Melaluca scabra	13
Jacksonia condensata (sp)	14
Nantheola brevis	15
Linum umbicata	16
Leucepogon polymorphus	18
Baeckea camphorosmae	19
Jacksonia alata (small)	20
Dynaphea acutiloba	21
Alphacalyx angustata	22
Opicularia saginata	23
Acacia ericifolia	24
Alphalobum marginatum	35
Dillwynia cinerascens	37
= SPA Perth Flora	

Herbs

9/8/91	
Drosera erythrorhiza	✓
Drosera macrantha	✓
Hypoxis occidentalis	✓
Stylidium petiolare	✓
Chorizanthe multiflora	✓
Caesia micrantha	✓
Thysanotus manglesianus	✓
Thelymitra sp1 = crinata	✓
Thelymitra sp2 = crenulata	✓
Thelymitra sp1	✓
Perostylis recurva	✓
Caladenia sp = gemata	✓

Many seedlings
 Herb turf
 Van. chd
 11/92

Levenhookia pumila	✓
Hemodorum homalocarpum	✓
Podisma filiformis var. nutt. flora	✓
Siloxeres humifusus	✓
Hydrocotyle pilifera	✓
Actinotus leucophyllus	✓
Stipa compressa	✓

MAT PLANTS

30	Grasses	
25	Neurachne alopecuroides	✓
26	Amphipogon furbinatus	✓
27	Dianthonia caespitosa vouch.	✓
28	Stipa pycnostachya = 57	✓
29	Xylotrichia aeroides	✓
57	HERBS pycnostachya = 28	
3	Drosera humilis	✓
31	Stylidium nebens	✓
32	Stylidium	✓
33	Stylidium	✓

10/10

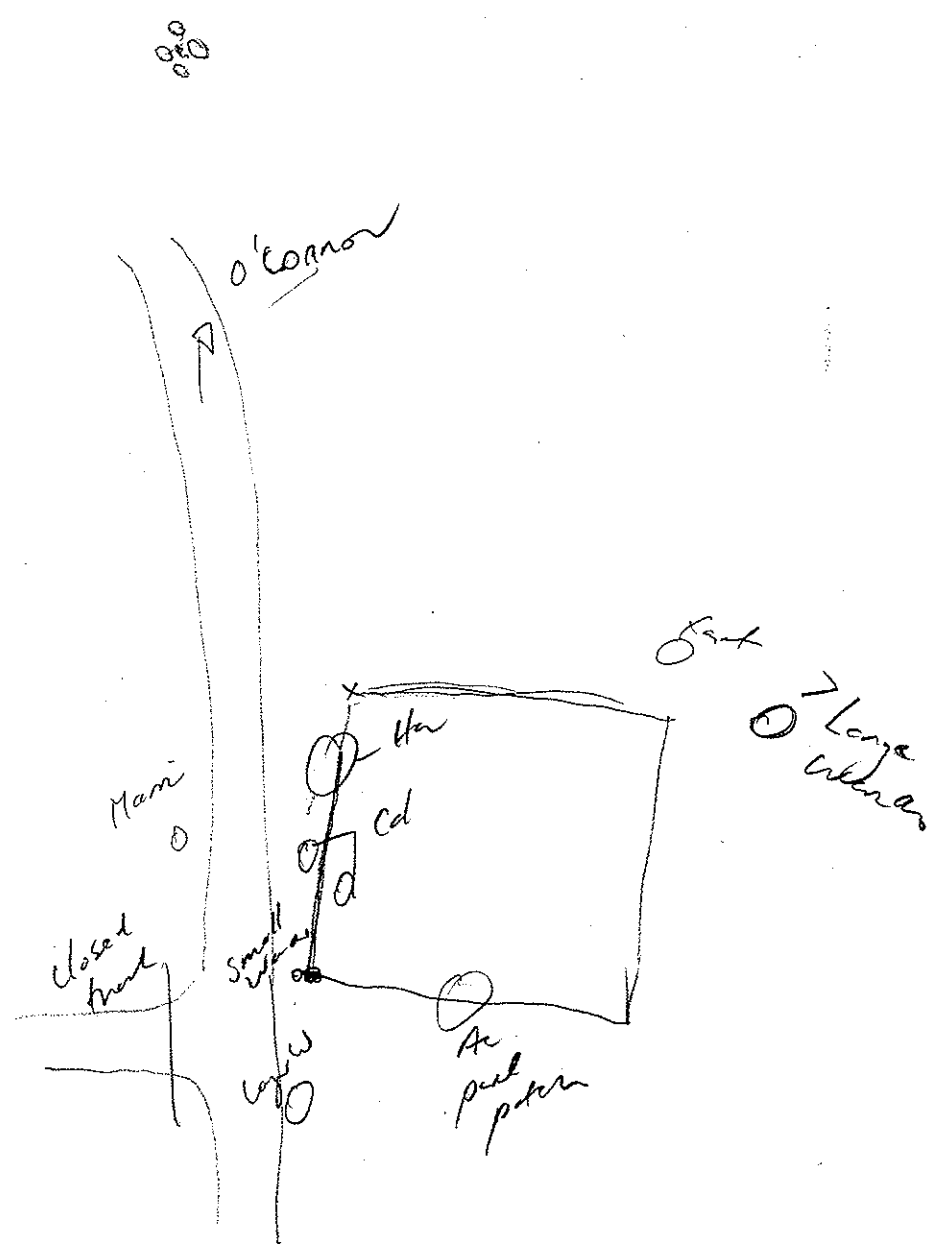
Levenhookia stipitata	✓	No 34
Anthoxia candida	✓	35
Thysanotus ? arenarius	✓	38
Chorizanthe umbellata	✓	40
Thysanotus	✓	39
Cassipoupa racemosa	✓	41
Podisma caerulea	✓	42
Chalmacilla versicolor	✓	43
Stylidium petiolare	✓	44
Dianthonia grandiflora vouch.	✓	46
Stylidium grass Komulua rose	✓	47
Thysanotus Scirpioides	✓	48
Drosera Menziesii	✓	49
Stylidium Thelymitra sp	✓	49
Stylidium carophyllaceus	✓	50
Stylidium Lycopodium nigricans	✓	51
Podisma ? caerulea	✓	58
Chalmacilla corymbosa	✓	59
Compositae	✓	60
ADT Faerie humilis		

SEDGES (indicate height classes)

52	Lygodium barbatum	✓
53	Lygodium tenue	✓
54	Lygodium ? subflavum	✓
55	Lygodium unispiculatum	✓
56	Lygodium angustatum	✓
57	Lygodium	✓
12/8/9	Lepidobolus chaetocapulus	✓

Adjacent

1/12	Lechenaultra biloba	✓
1/12	Stylidium dichotomum	✓
2/12	Podisma pithyoides	✓
2/12	Lygodium compactulata	✓
2/12	Cassipoupa Talbl	✓
2/12	Cassipoupa Talbl	✓



Burnt

- Amphipoda
- Rabbit pile
- * Hesp falena
- X Arvan barb
- * Art. cedard
- * Ehr. cedard
- Ced. longi
- Diuris
- * Trita common
- Vulpia myuros.
- Temp. biloba
- 2 wandoo seedlings
- Dros. menz. ssp peri
- * Uts. antena
- Edrom clauso.

Plot	source	Na	Genus	Species	InfraspRank	InfraspName	Informal	ConsvCode
talb2			Acacia	pulchella				
talb2			Acacia	sessilis				
talb2			Acacia	willdenowiana				
talb2			Actinotus	leucocephalus				
talb2			Amhipogon	turbatus				
talb2			Anigozanthos	manglesii	subsp.	manglesii		
talb2			Austrodanthonia	caespitosa				
talb2			Austrostipa	compressa				
talb2			Austrostipa	pycnostachya				
talb2			Bossiaea	eriocarpa				
talb2		*	Briza	maxima				
talb2		*	Briza	minor				
talb2			Caesia	micrantha				
talb2			Caladenia	georgei				
talb2			Centrolepis	aristata				
talb2			Centrolepis	drummondiana				
talb2			Chamaescilla	corymbosa	var.	corymbosa		
talb2			Chamaescilla	versicolor				
talb2			Comesperma	calymega				
talb2			Conostylis	aculeata				
talb2			Conostylis	caricina	subsp.	caricina		
talb2			Cyanicula	deformis				
talb2			Daviesia	decurrens	subsp.	decurrens	MS	
talb2			Desmocladius	fasciculatus				
talb2		*	Disa	bracteata				
talb2			Drosera	glanduligera				
talb2			Drosera	macrantha	subsp.	macrantha		
talb2			Drosera	stolonifera	subsp.	porrecta		
talb2			Dryandra	lindleyana				
talb2		*	Ehrharta	calycina				
talb2			Eucalyptus	calophylla				
talb2		*	Gladiolus	caryophyllaceus				
talb2			Gompholobium	aristatum				
talb2			Gompholobium	confertum				
talb2			Grevillea	bipinnatifida				
talb2			Haemodorum	laxum				
talb2			Hakea	candolleana				
talb2			Hakea	ruscifolia				
talb2			Hibbertia	huegelii				
talb2			Hibbertia	hypericoides				
talb2			Homalosciadium	homalocarpum				
talb2			Hydrocotyle	pilifera				
talb2		*	Hypochoeris	glabra				
talb2			Kingia	australis				
talb2			Laxmannia	sessiliflora	subsp.	australis		
talb2			Lechenaultia	biloba				
talb2			Lepidosperma	squamatum				
talb2			Lomandra	hermaphrodita				
talb2			Lyginia	barbata				
talb2			Mesomelaena	pseudostygia				
talb2			Mesomelaena	tetragona				
talb2			Neurachne	alopeuroidea				
talb2			Olearia	elaeophila				
talb2			Patersonia	occidentalis				
talb2			Petrophile	linearis				
talb2			Poa	drummondiana				
talb2			Podolepis	gracilis				

Plotorsource	Na	Genus	Species	InfraspRank	InfraspName	Informal	ConsvCode
talb2		Podolepis	lessonii				
talb2		Pterostylis	vittata				
talb2		Ptilotus	manglesii				
talb2		Scaevola	repens	var.	repens		
talb2		Schoenus	brevisetis				
talb2		Schoenus	curvifolius				
talb2		Siloxerus	humifusus				
talb2		Sowerbaea	laxiflora				
talb2		Stirlingia	latifolia				
talb2		Templetonia	biloba				
talb2		Tetragia	octandra				
talb2		Thelymitra	canaliculata				
talb2		Thelymitra	crinita				
talb2		Thysanotus	manglesianus				
talb2		Trachymene	pilosa				
talb2		Trichocline	spathulata				
talb2		Tricoryne	elatior				
talb2		Triglochin	centrocarpa				
talb2	*	Ursinia	anthemoides				
talb2		Xanthorrhoea	preissii				
talb2		Xanthosia	huegellii	subsp.	huegellii	MS	

SWAN COASTAL PLAIN

SURVEY RECORDING SHEET

(Please use pencil not biro)

QUADRAT No. TALB 2

VEGETATION TYPE EUCALYPTUS CALOPHYLLA WOODLAND

DATE FIRST TRIP 28-10-90

BOTANIST GREG K

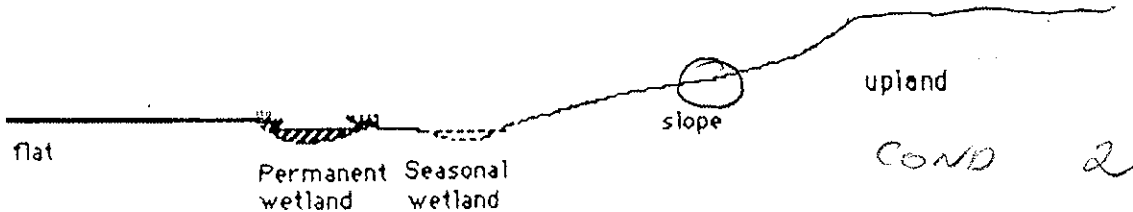
DATE SECOND TRIP 8/8/91

BOTANIST GJK

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 GREY SAND Sub-surface soil GREY CLAY SAND

Mapped Soil ?FI (King Wells, 1990)

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

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

LIFE FORM	TREES	MALLEES		
	<p><u>E. CALOPHYLLA</u></p> <p>> 15m or 5-15m 10/20 E. cdo. 10-30%</p>	<p>under 5m</p>	<p>MALLEE SHRUB less than 8m</p>	<p>MALLEE TREE 8m or more</p>
COVER CLASS (%)	<p>7-15m 10-30</p> <p>5-15m</p>		0	0

LIFE FORM	SHRUBS	SHRUBS		
	<p><u>ACACIA PULCHELLA</u> <u>XANTHORRHA PRESSII</u> & <u>KINGIUM</u></p> <p>over 2m</p>	<p>2.0-1.5m</p>	<p>1.5-1.0m 1/20 Xanth p 2-10%</p>	<p>1.0m - .5m 1/20 Dry line</p>
COVER CLASS (%)		0	2-10	2-30(10) 10-30(30)

Height (metres)

LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES	
	<p>under 10cm</p>	<p>under .5m</p>	<p>10/10 < 20% under .5m (except creepers)</p>	<p>10/60 Tel. out, Nest tel, pends</p> <p>over .5m</p>	<p>under .5m 10/10 30-70%</p>
COVER CLASS (%)	0	+	2-10 (2)	0	2-10 (10)

Cover

DTN

TO RECORD SPECIES within each stratum record the most common species first and the most uncommon last. TALBOT 2

TREES	F	No		F	No		F	No
<i>Eucalyptus</i>	✓	1						
			Add ^{ns} herbs					
			8/8/91					
			<i>Centrolepis</i> <i>aristata</i>					✓ 29
			<i>Homaloscladium</i> <i>homalocarpum</i>					✓ 31
			<i>Ptilotus</i> <i>manglesii</i>					✓ 32
			<i>Chaemoscilla</i> <i>compulso</i>					✓ 33
			<i>Thelymitra</i> <i>scutellata</i>					✓ 34
			<i>Thelymitra</i> (long strap lvs)					✓ 35
			<i>Conostylis</i> <i>caricina</i>					✓ 36
			<i>Lomandra</i> <i>hermaphrodita</i>					✓ 37
			* <i>Lomalea</i> <i>rosea</i>					✓ 38
			<i>Caladenia</i> <i>huegelii</i>					✓ 39
			<i>Pterostylis</i> <i>vittata</i>					✓ 40
			11/91					✓ 41
			Centrol. drumm.					✓ 42
			<i>Siloxerus</i> <i>humifusus</i>					✓ 43
			<i>Hydrocotyle</i> <i>pilifera</i>					✓ 44
			<i>Drosera</i> <i>glandulig</i>					✓ 45
			<i>Tricholobium</i> <i>clat</i>					✓ 46
			<i>Actinotus</i> <i>leuco</i>					✓ 47
			<i>Stipa</i> <i>compressa</i>					✓ 48
								✓ 49
								✓ 50
								✓ 51
								✓ 52
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								✓ 90
								✓ 91
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								✓ 95
								✓ 96
								✓ 97
								✓ 98
								✓ 99
								✓ 100

WALLEES

HERBS (indicate height classes)

- ✓ *A. pulchella* ✓ 2
- ✓ *Xanthorrhoea* *priessii* ✓ 3
- ✓ *Kingia* *aristata* ✓ 4
- ✓ *Habea* *muscholia* ✓ 5
- ✓ *Drosera* *rosea* ✓ 6
- ✓ *Gompholobium* *aristatum* ✓ 7
- ✓ *Lechenaultia* *biloba* ✓ 8
- ✓ *Petrophile* *linearis* ✓ 9
- ✓ *Grevillia* *bipinnatifida* ✓ 10
- ✓ *Orearia* *elaeophila* ✓ 11
- ✓ *Habea* *candolleana* ✓ 12
- ✓ *Hyperba* *hypericoides* ✓ 13
- ✓ *Tempeltonia* *biloba* ✓ 14
- ✓ *Hyperba* *huegelii* ✓ 15
- ✓ *Daviesia* *decumbens* ✓ 16
- ✓ *Scutellaria* *sp. paludosa* ✓ 17
- ✓ *Bosciana* *teriocapa* ✓ 18
- ✓ *Acacia* *sessilis* ✓ 19
- ✓ *Stirlingia* *latifolia* ✓ 20
- ✓ *Xanthosia* *huegelii* ✓ 30
- ✓ *Drosera* *tensa* = Ac. wild. ✓ 31
- ✓ *Gompholobium* *conferta* ✓ 32

8/8 *Acacia willdenowiana*

MAT PLANTS

BUNCH GRASSES

- ✓ *Anthepogon* *turbinatus* ✓ 21
- ✓ *Poa* *drummondiana* ✓ 22
- ✓ *Drosera* *caespitosa* ✓ 23
- ✓ *Stipa* *pschostachya* ✓ 24
- ✓ *Neurachne* *aleopecuroides* ✓ 47
- HERBS
- ✓ *(Bumblebee Grass)* *Briza* *maxima* ✓ 25
- ✓ *Thysanotus* *manglesianus* ✓ 26
- ✓ *Triglochin* *manglesii* ✓ 27
- ✓ *Podolepis* *gracilis* ✓ 28

SEDGES (indicate height classes)

- ✓ *Lyginia* *barbata* ✓ 45
- ✓ *Panicum* *fascicularis* ✓ 46
- ✓ *Schoenus* *curvitolius* ✓ 48
- ✓ *Mesomacraea* *fragrans* ✓ 49
- ✓ *Leidosperma* *angustatum* ✓ 51
- ✓ *Tetrasia* *retorta* ✓ 52
- ✓ *Mesomacraea* *benstygia* ✓ 53
- ✓ *Lyginia* *barbata* = 45 ✓ 59

8/8/91 *Schoenus brensettii*



NUYTSIA.

(MAD) ^{big}

CAR BODY

low 10/10/02

(M) ^{big}

9m

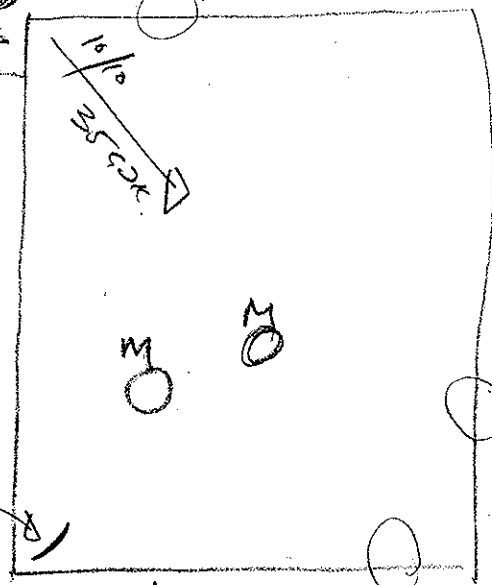
19m

Mami

Mami
touch

M

TRACK



10/10/02
Not burnt since 1790
Litter ~ 100% covered

10/10
Lomandra peissii
* Elder huts cat
(remnants)
Thyridopteris sp.
Haben hesperium
Lom. hum.

Plotorsource	Na	Genus	Species	InfraspRank	InfraspName	Informal	ConsvCode
talb3		Acacia	auronitens				
talb3		Acacia	huegelii				
talb3		Adenanthos	cygnorum	subsp.	cygnorum		
talb3		Amphipogon	turbinatus				
talb3		Arnocrinum	preissii				
talb3		Austrostipa	compressa				
talb3		Banksia	menziesii				
talb3		Bossiaea	eriocarpa				
talb3	*	Briza	maxima				
talb3		Burchardia	congesta				
talb3		Caladenia	discoidea				
talb3		Calytrix	angulata				
talb3		Centrolepis	drummondiana				
talb3		Conospermum	stoechadis	subsp.	stoechadis		
talb3		Conostylis	aculeata				
talb3		Conostylis	aurea				
talb3		Crassula	closiana				
talb3		Dasypogon	bromeliifolius				
talb3		Daviesia	triflora				
talb3		Desmocladius	fasciculatus				
talb3		Drosera	leucoblata				
talb3		Drosera	menziesii	subsp.	penicillaris		
talb3		Drosera	pycnoblata				
talb3		Eremaea	asterocarpa	subsp.	asterocarpa		
talb3		Haemodorum	brevisepalum				
talb3		Haemodorum	laxum				
talb3		Haemodorum	spicatum				
talb3		Hemiandra	pungens				
talb3		Hibbertia	hypericoides				
talb3		Hibbertia	subvaginata				
talb3		Hybanthus	calycinus				
talb3		Hypolaena	exsulca				
talb3	*	Isolepis	marginata				
talb3		Isotropis	cuneifolia	subsp.	cuneifolia		
talb3		Johnsonia	pubescens	subsp.	pubescens		
talb3		Lepidosperma	squamatum				
talb3		Leporella	fimbriata				
talb3		Leucopogon	propinquus				
talb3		Levenhookia	stipitata				
talb3		Lomandra	hermaphrodita				
talb3		Lyginia	barbata				
talb3		Melaleuca	scabra				
talb3		Mesomelaena	pseudostygia				
talb3		Monotaxis	grandiflora				
talb3		Neurachne	alopeкуроidea				
talb3		Patersonia	occidentalis				
talb3		Petrophile	linearis				
talb3		Phlebocarya	ciliata				
talb3		Phyllangium	paradoxum				
talb3		Podolepis	gracilis				
talb3		Podotheca	angustifolia				
talb3		Poranthera	microphylla				
talb3		Pyrorchis	nigricans				
talb3		Quinetia	urvillei				
talb3		Scaevola	canescens				
talb3		Scaevola	repens	var.	repens		
talb3		Schoenus	curvifolius				

PlotSource	Na	Genus	Species	InfrasRank	InfrasName	Informal	ConsCode
talb3		Schoenus	efoliatus				
talb3		Scholtzia	involucrata				
talb3		Stirlingia	latifolia				
talb3		Stylidium	brunonianum	subsp.	brunonianum		
talb3		Trachymene	pilosa				
talb3		Tricostularia	neesii	var.	neesii		
talb3	*	Ursinia	anthemoides				

SWAN COASTAL PLAIN

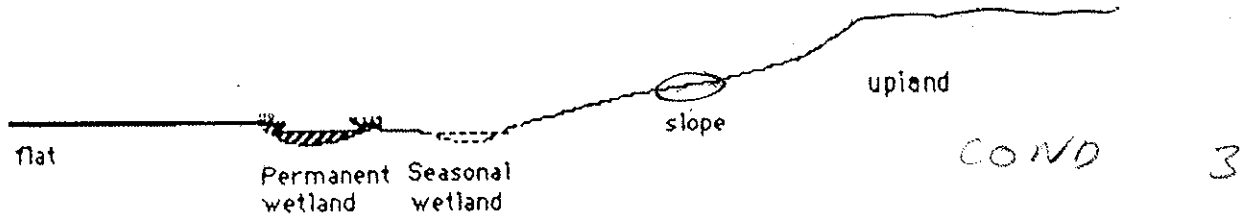
SURVEY RECORDING SHEET

(Please use pencil not biro)

QUADRAT No. TALB 3 VEGETATION TYPE Banksia Woodland
 DATE FIRST TRIP 28.10.90 BOTANIST B.H. Keighley
 DATE SECOND TRIP 8/8/91 BOTANIST BJK, BJK
 VOLUNTEERS FIRST TRIP Ellen/Barb/Rob.

VOLUNTEERS SECOND TRIP 11/91 GJK, BJK.

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 (60%). Surface soil white/grey. Sub-surface soil grey/pale brown sand
 Mapped soil: FF (King wells, 1970) sandy (clay)

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

LIFE FORM	TREES	MALLEES	
	<u>Banksia menziesii</u> 	<u>Banksia menziesii (3%)</u> <u>Adenanthos (1-20% patch)</u> under 5m 	MALLEE SHRUB less than 8m
COVER CLASS (%)	2-15m 5-10% <u>2-10% (3%)</u>		

LIFE FORM	SHRUBS	SHRUBS				
		<u>Adenanthos egg (72m 1-20% patchy)</u> <u>Conospermum (1.5-7.0m 3-5% (out))</u>	over 2m 	2.0-1.5m 	1.5-1.0m 	1.0m - .5m
COVER CLASS (%)	<u>2-10% (2%)</u>		(Foli)	<u>2-10% (7%)</u>	<u>2-10</u>	

LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES	
		under 10cm 	under .5m 	<u>Dhoby ciliat.</u> under .5m (except creepers) 	<u>Mesomelaena stygia 6%</u> over .5m
COVER CLASS (%)		<u>+6m²</u>	<u>2-10 (6m²)</u>	<u>(1) <1m²</u>	<u>10-20 (12m²)</u> DTN

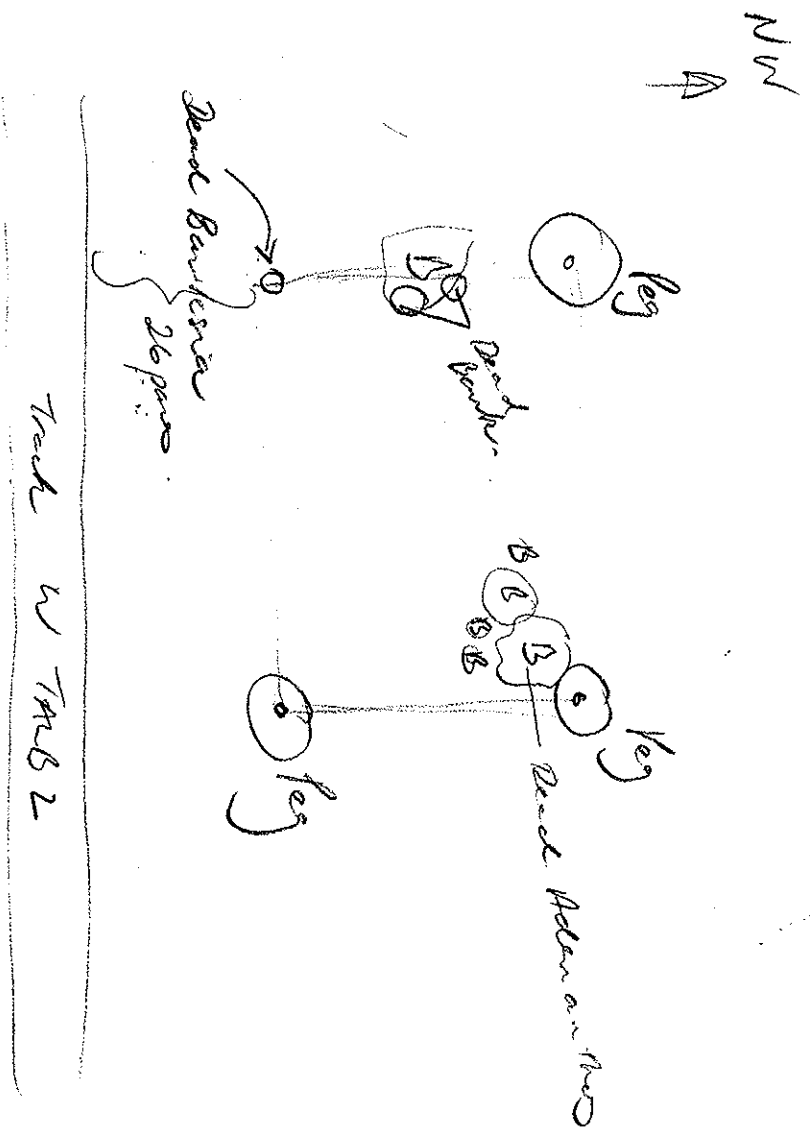
Cover % class 2-10% 10-30% 30-70% over 70%

Height (metres)

Deaths: significant no of dead plants

- *Banksia* (5 specimens)
- *Adiantum* (1 sp)
- *Conospermum* (7 spec)

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



Plotorsource	Na	Genus	Species	InfraspRank	InfraspName	Informal	ConsvCode
talb4		Aphelia	cyperoides				
talb4		Austrodanthonia	pilosa				
talb4		Borya	sphaerocephala				
talb4	*	Briza	maxima				
talb4		Burchardia	congesta				
talb4		Burchardia	multiflora				
talb4		Caesia	micrantha				
talb4		Centrolepis	aristata				
talb4		Centrolepis	cephaloformis	subsp.	cephaloformis		
talb4		Chamaescilla	corymbosa	var.	corymbosa		
talb4		Conostylis	aculeata				
talb4		Conostylis	aurea				
talb4		Cyathochaeta	avenacea				
talb4		Desmocladus	fasciculatus				
talb4	*	Disa	bracteata				
talb4		Drosera	glanduligera				
talb4		Dryandra	lindleyana				
talb4		Eucalyptus	calophylla				
talb4		Goodenia	micrantha				
talb4		Hakea	trifurcata				
talb4		Harperia	lateriflora				
talb4		Hydrocotyle	diantha				
talb4		Hydrocotyle	pilifera				
talb4	*	Hypochaeris	glabra				
talb4		Hypolaena	exsulca				
talb4		Isolepis	cyperoides				
talb4		Jacksonia	sternbergiana				
talb4	*	Juncus	bufonius				
talb4		Kingia	australis				
talb4		Lepidosperma	sp. (Eastern terete) (BJ Keighery and N Gibson 232)				
talb4		Mesomelaena	tetragona				
talb4		Neurachne	alopeкуроidea				
talb4		Siloxerus	humifusus				
talb4		Sowerbaea	laxiflora				
talb4	*	Sparaxis	bulbifera				
talb4		Stylidium	breviscapum				
talb4		Stylidium	dichotomum				
talb4		Tetraria	octandra				
talb4		Thelymitra	crinita				
talb4		Thysanotus	patersonii				
talb4		Tribonanthes	longipetala				
talb4		Xanthorrhoea	preissii				

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

QUADRAT No. TALBOT 4 VEGETATION TYPE Marric Woodland
 DATE TRIP 9.12.90 BOTANIST N.G.
 VOLUNTEERS Kate, Kieran, Jennifer, Barbara, Rodney, Rae

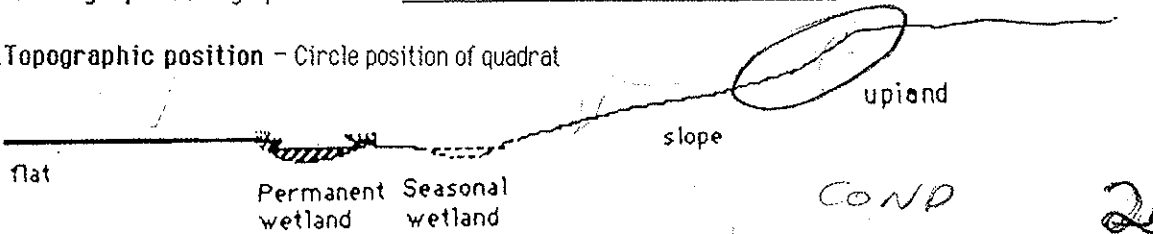
1. LOCATION of the QUADRAT

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 zero Drainage well mod-poor Wet All year winter/spring

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

3. VEGETATION STRUCTURE AND COVER. Record appropriate cover class

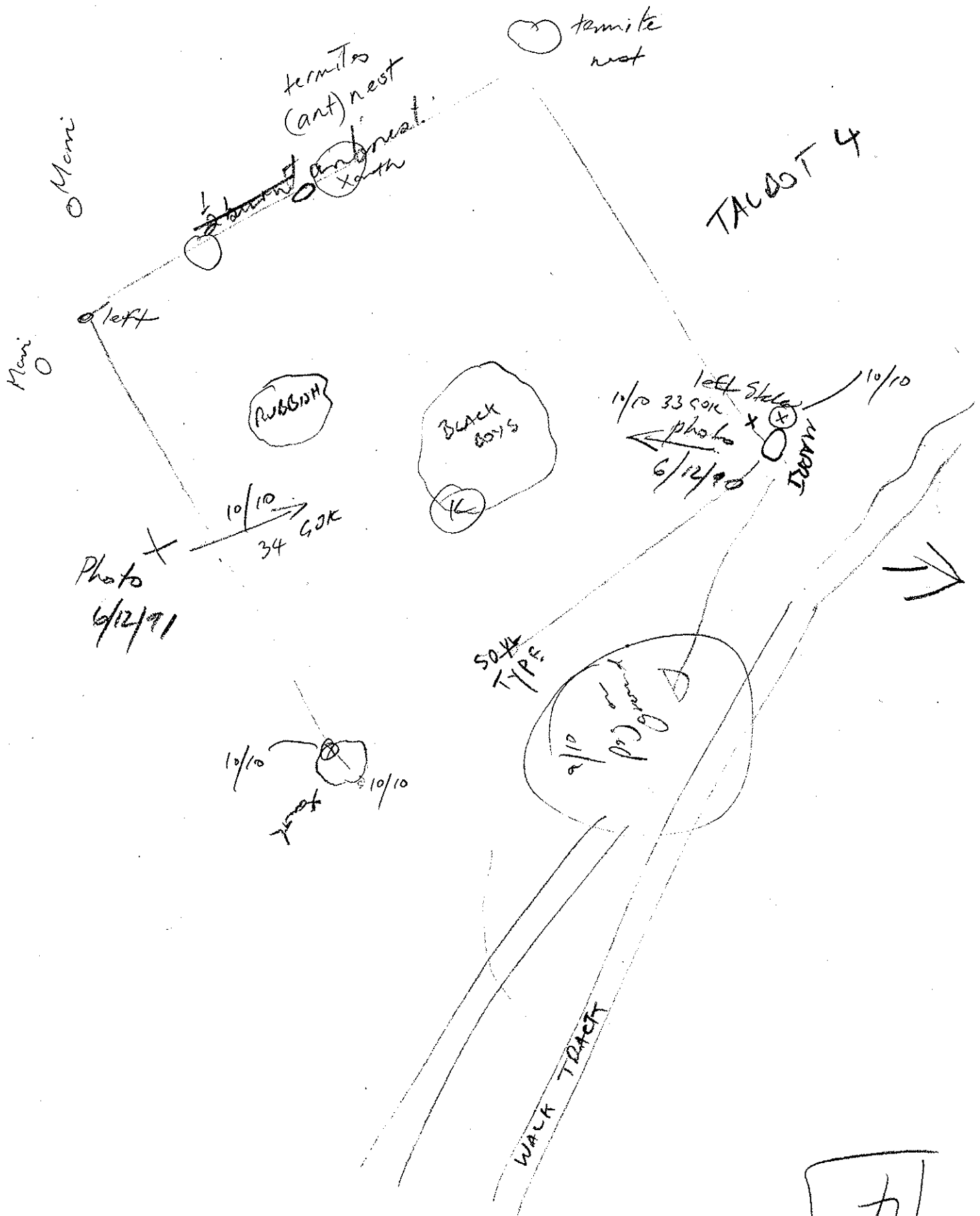
% class over 70%
 50-70%
 30-50%
 20-30%
 10-20%
 2-10%

LIFE FORM	TREES	MALLEES	
	<u>Marric</u> or > 15m 5-15m 10/10 < 2% 	under 5m 	MALLEE SHRUB less than 8m
COVER CLASS (%)	> 15m 5-15m 2-10%	-	-

LIFE FORM	SHRUBS	SHRUBS		
	over 2m 	2.0-1.5m Seedlings 	1.5-1.0m Xanth King 2-10% 	1.0m - .5m
COVER CLASS (%)	20-30%	20-30%	-	2-10%

LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES
	under 10cm 	under .5m 	10% Borya 2-18% 10/10 under .5m (except creepers) 	(Harperia) 10/10 over .5m
COVER CLASS (%)	-	-	2-10%	over 70%

Height (metres)



4

4. 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 10/10

QUADRAT No.
TALBOT 4

Trees	No	Fl	Herbs	No	Fl	Sedges	No	Fl
MARRI - <i>Acacia koa</i>	1	✓	8/8/91			x <i>Neurocladon calopercuoides</i>	10	
quadsect			* <i>Romulea rosea</i>		✓	x <i>Caesia micrantha</i>	11	✓
			* <i>Sparganium bulbifera</i>		✓	x <i>Sowerbaea laxiflora</i>	12	✓
			<i>Tribonanthes longipetala</i>		✓	x <i>Chaemascilla corymbosa</i>	13	
			<i>Thelymitra (large) crinata</i>			x <i>Briza maxima</i>	14	✓
Mallees			* <i>Hypochaeris glabra</i>		✓	x <i>Burchardia umbellata</i>	15	✓
			<i>Burchardia multiflora</i>		✓	x * <i>Monadenia bracteata</i>	16	✓
			<i>Hydrocotyle diantha</i>			x <i>Borja sphaerocephala</i>	17	✓
			10/10 No flowers except 1			<i>Cyathochaeta avenacea</i>	18	
						<i>Tetraria octandra</i>	19	
						x <i>BORJA sphaerocephala</i>	21	
						x <i>Stylidium dichotomum</i>	22	✓
SHRUBS							25	
<i>Habea trifurcata</i>	2	✓				x <i>STYLIDIUM breviscapum</i>	28	
<i>Xanthosphaera preussii</i>	3	✓					29	
<i>Kingia australis</i>	4	✓					30	
<i>Jacksonia sternbergiana</i>	5	✓	Mat Plants				31	
<i>Dryandra nivea</i>	6	✓					32	
Mallet (seedling) 10/10							33	
							34	
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							100	

10/10

6/10/10

Bunch Grasses

Sedges

ADJ

Herbs

- x *Conostylis aculeata* 7
- x *Conostylis aerea* 8
- x *Thysanotus patersonii* 9

- Scaevola glutinosa*
- Leucopogon*

10/10/2002

Thys. mang

* *Hesperanthera*

Haem. simplex

kennerlyi prostrate

Haem. brevis

Homa. hanna

* *Briza minor*

* *Gled. cong.*

Xanth. candida

Stylid. bulb.

Podop. gracilis

* *Vulpia myuros*

* *Panicum viscosum*

* *Pent. Arab. & 19. conv.*

Araia pulchella

Gomph. capitatum

Xanth. hueg.

* *Aira cong.*

Stipa compress.

Haem. spicatum

Watsonia bulb.

1. 1. 1.

Plotorsource	Na	Genus	Species	InfraspRank	InfraspName	Informal	ConsvCode
talb5		Acacia	huegelii				
talb5		Acacia	sessilis				
talb5		Acacia	willdenowiana				
talb5		Adenanthos	cygnorum	subsp.	cygnorum		
talb5		Allocauarina	humilis				
talb5		Amphipogon	turbinatus				
talb5		Anigozanthos	manglesii	subsp.	manglesii		
talb5		Arnocrinum	preissii				
talb5		Austrodanthonia	caespitosa				
talb5		Austrostipa	compressa				
talb5		Banksia	grandis				
talb5		Bossiaea	eriocarpa				
talb5		Brachyscome	iberidifolia				
talb5	*	Briza	maxima				
talb5		Burchardia	congesta				
talb5		Calytrix	angulata				
talb5		Centrolepis	drummondiana				
talb5		Chamaescilla	corymbosa	var.	corymbosa		
talb5		Chordifex	sinuosus			MS	
talb5		Chordifex	sphacelatus				
talb5		Conospermum	stoechadis	subsp.	stoechadis		
talb5		Conostylis	aculeata				
talb5		Conostylis	aurea				
talb5		Dasypogon	bromeliifolius				
talb5		Eremaea	asterocarpa	subsp.	asterocarpa		
talb5	*	Gladiolus	caryophyllaceus				
talb5		Gompholobium	aristatum				
talb5		Haemodorum	laxum				
talb5		Haemodorum	spicatum				
talb5		Hibbertia	hypericoides				
talb5		Hyalosperma	cotula				
talb5	*	Hypochaeris	glabra				
talb5		Hypolaena	exsulca				
talb5		Jacksonia	floribunda				
talb5		Kingia	australis				
talb5		Kunzea	recurva				
talb5		Laxmannia	sessiliflora	subsp.	australis		
talb5		Leporella	fimbriata				
talb5		Lomandra	hermaphrodita				
talb5		Lomandra	odora				
talb5		Lyginia	barbata				
talb5		Mesomelaena	pseudostygia				
talb5		Neurachne	alopeкуроidea				
talb5		Patersonia	occidentalis				
talb5	*	Pentaschistis	airoides				
talb5		Philothea	spicata				
talb5		Phlebocarya	filifolia				
talb5		Phyllangium	paradoxum				
talb5		Podolepis	gracilis				
talb5		Podotheca	angustifolia				
talb5		Scaevola	canescens				
talb5		Scaevola	repens	var.	repens		
talb5		Schoenus	curvifolius				
talb5		Schoenus	efoliatus				
talb5		Scholtzia	involucrata				
talb5		Sowerbaea	laxiflora				
talb5		Stenopetalum	gracile				

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

QUADRAT No. TALBOT 5 VEGETATION TYPE Allocasuarina Open Heath
 DATE TRIP 9/12/90 BOTANIST Brian Wyn. Keighery
 VOLUNTEERS Diane Matthews, Gary Matthews, Margaret Langley, Karen Clarke

1. LOCATION of the QUADRAT Down track from (4.) Large Mani exchange track

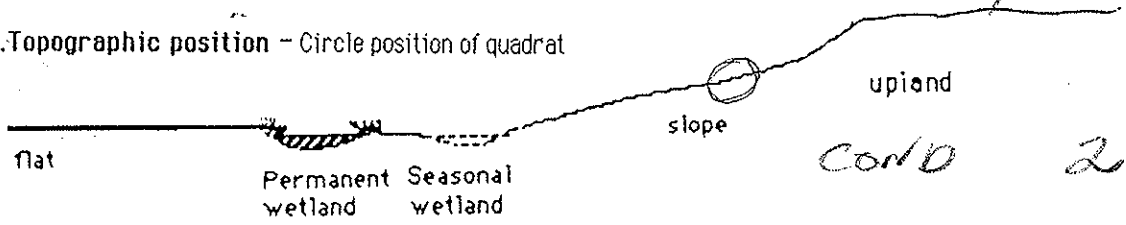
(Young Allocasuarina) on RH of track - 11 paces in.

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

8/8/91 BJK
11/91 BJK SJK

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(2-10) Drainage well mod poor Wet All year winter/spring

Litter (% cover) 5% Surface soil grey-white sand Sub-surface soil grey sand
Mapped soil - ?FI

3. VEGETATION STRUCTURE AND COVER. Record appropriate cover class

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

LIFE FORM	TREES	MALLEES		
	COVER CLASS (%)	> 15m or 5-15m 2-15m 5-15m	Under 5m N/A	MALLEE SHRUB less than 8m N/A

LIFE FORM	SHRUBS	SHRUBS			
	COVER CLASS (%)	Adenanthos ^① ; Allocasuarina humilis, Calytrix ^② ; Verticordia ^③ dens over 2m 2-10%	2.0-1.5m (5%) 2-10%	1.5-1.0m (4%) 2-10%	1.0m - .5m 10-20%

LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES	
	COVER CLASS (%)	⑨ under 10cm < 2%	Amphip. turbin under .5m < 2%	Patersonia under .5m (except creepers) < 2%	Mesomelaena over .5m 2-10%

Height

Soil surface
stagnant
creepers
eg for bunchgrasses

DOITIE IN HOLE

branch in hole

undulate leaf pea

Adiantum adenanthos

Adiantum adenanthos

photo point
upright broken branch
with a tag.

Hakea trifurcata

Allocas humilis

Allocas humilis

actual point → SE

left photo
6/1/1991

left
- approximate peg
move 1m into smokebush
(NW)

Track

5

Plotorsource	Na	Genus	Species	InfraspRank	InfraspName	Informal	ConsvCode
talb6		Acacia	auronitens				
talb6		Acacia	sessilis				
talb6		Acacia	willdenowiana				
talb6		Adenanthos	cygnorum	subsp.	cygnorum		
talb6		Allocasuarina	humilis				
talb6		Amphipogon	turbinatus				
talb6		Anigozanthos	manglesii	subsp.	manglesii		
talb6		Arnocrinum	preissii				
talb6		Austrostipa	compressa				
talb6		Austrostipa	pycnostachya				
talb6		Bossiaea	eriocarpa				
talb6	*	Briza	maxima				
talb6		Burchardia	congesta				
talb6		Burchardia	multiflora				
talb6		Centrolepis	aristata				
talb6		Centrolepis	drummondiana				
talb6		Chordifex	sinuosus			MS	
talb6		Conostylis	aculeata				
talb6		Cyanicula	sericea				
talb6		Drosera	glanduligera				
talb6		Dryandra	lindleyana				
talb6	*	Gladiolus	caryophyllaceus				
talb6		Gompholobium	confertum				
talb6		Gompholobium	tomentosum				
talb6		Haemodorum	laxum				
talb6		Hakea	prostrata				
talb6		Hakea	ruscifolia				
talb6		Hakea	trifurcata				
talb6		Hibbertia	hypericoides				
talb6		Hydrocotyle	pilifera				
talb6	*	Hypochoeris	glabra				
talb6		Jacksonia	sternbergiana				
talb6		Kingia	australis				
talb6		Laxmannia	sessiliflora	subsp.	australis		
talb6		Lechenaultia	biloba				
talb6		Lyginia	barbata				
talb6		Mesomelaena	pseudostygia				
talb6		Mesomelaena	tetragona				
talb6		Neurachne	alopeкуроidea				
talb6	*	Pentaschistis	airoides				
talb6		Poa	drummondiana				
talb6		Podolepis	gracilis				
talb6		Quinetia	urvillei				
talb6		Scaevola	repens	var.	repens		
talb6		Schoenus	nanus				
talb6	*	Sonchus	oleraceus				
talb6		Stirlingia	latifolia				
talb6		Trachymene	pilosa				
talb6		Triglochin	centrocarpa				
talb6	*	Ursinia	anthemoides				

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

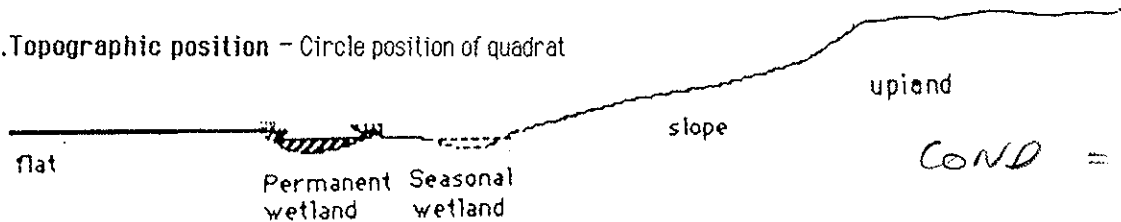
QUADRAT No. TAB 6 VEGETATION TYPE (Morri Woodland)
 DATE TRIP 9.12.90 BOTANIST BJK
 VOLUNTEERS Shel Coy, Ellen Gude, P. Fairall, Meg Evans

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/spring

Litter (% cover) 20% Surface soil Sand Sub-surface soil yellow soil

Mapped Soil - ? F₁

3. VEGETATION STRUCTURE AND COVER. Record appropriate cover class

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

LIFE FORM	TREES	MALLEES	
	> 15m 5-15m 	<i>Sarcocornia stanburgiana</i> Under 5m 2-10 	MALLEE SHRUB less than 8m
COVER CLASS (%)	> 15m 5-15m	2-10	

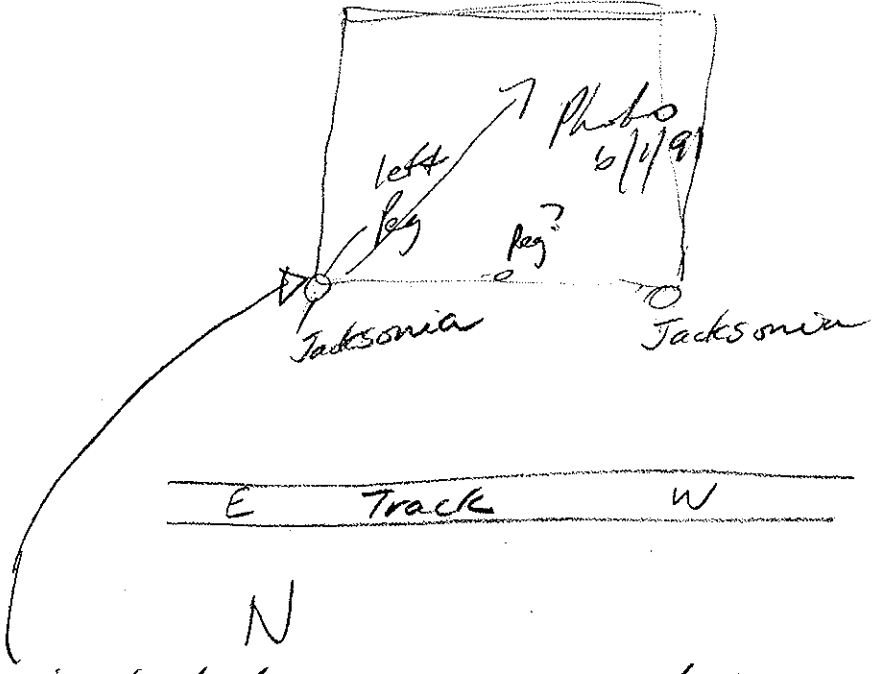
LIFE FORM	SHRUBS	SHRUBS		
	over 2m 17.5% 	<i>Adenanthos cygnorum</i> 2.0-1.5m 	<i>Allocasuarina humilis</i> 1.5-1.0m 	<i>Hakea russicarpa</i> 1.0m - .5m
COVER CLASS (%)	17.5	Nil	8.5	2

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

Height (metres)

6

S



N
included in quadrat
but rosted outside

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.
 TABLE - give all species a NUMBER even if you give it a name.

TALB 6

TREES	No		No
Jacksonia sternbergiana fl	1		
11/91			
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Stipa compressa Trig centro Ursinia anthem. Centrolepis drumm ✓ Trachym pilosa Hydro pilifera Schoenus narius </div>			
VALLEES			
HERBS (indicate height classes)			
Over 2m Adenanthos cygnorum	2		
Hakea ruscifolia	4		
1.5m Nil Hakea tricusata			
1.0-1.5m Allocasuarina humilis	3		
0.5-1.0m Hibbertia hypericoides	5		
Stirlingia latifolia fl	6		
0.5 Dryandra nivea	7		
Gompholobium tomentosum	8		
Acacia sessilis	9		
Bossiaea eriocarpa	10	MAT PLANTS	
Hakea prostrata	11		
Acacia aureonitens	12		
Gompholobium confertum	13		
Acacia sessilis = 9	14		
Bossiaea eriocarpa	15	BUNCH GRASSES	
Kingia australis	20	Neurachne alopecuroides	38
Leckeraultra biloba	21	Boass drummondiana	34
Gompholobium ruscifolia	22	Stipa pycnostachya	35
		* Pentaschistus aoides	36
		Amphipogon torbinatus	37
		Briza maxima	38
8/8/91			
Acacia wildenowiana		HERBS Conostylis aculeata fl	16
		Anigozanthos manglesii	17
		Haemodorum laxum	18
		Gleadowia coryophyllaceus	19
		* Anogonum preissii fl	23
		* Senchus oleraceus	31
		* URSIMIA ANTHEMOIDES	33
		* Podolepis gracilis	34
		* Hypochaeris glabra	36
		Haemodorum laxum	
		* Burchardia umbellata	32
		* Laxmannia sessilifera	35
		8/8/91 Prosera glanduligera	
		Quinetia urvillea	
		Trachymene pilosa	
		Centrolepis laetata	
		Burchardia multiflora	
		Caladenia perid	
		SEDGES (indicate height classes)	
		Over 1.5 pseudo	
		* Mesomelaena stygia	39
		* Restio sinu	37
		Burchardia umbellata	32
		Laxmannia sessilifera	35
		* Mesomelaena tetragona	37
		* Lyginia barbata	31a
		ADJ	
		* Scaevola paludosa	

Outsiders

Conospermum
habea trifurcata

~~Hel~~

Bambusa nerysui

Eucalyptus

Verticordia
multiflora

Plotorsource	Na	Genus	Species	InfraspRank	InfraspName	Informal	ConsvCode
talb7		Acacia	auronitens				
talb7		Acacia	sessilis				
talb7		Adenanthos	cygnorum	subsp.	cygnorum		
talb7	*	Aira	caryophyllea				
talb7		Allocauarina	humilis				
talb7		Amphipogon	turbinatus				
talb7		Arnocrinum	preissii				
talb7		Austrostipa	pycnostachya				
talb7		Bossiaea	eriocarpa				
talb7		Burchardia	congesta				
talb7		Caladenia	vulgata				
talb7		Calytrix	angulata				
talb7		Calytrix	aurea				
talb7		Calytrix	flavescens				
talb7		Chordifex	sinuosus			MS	
talb7		Conostylis	aculeata				
talb7		Conostylis	aurea				
talb7		Dasypogon	bromeliifolius				
talb7		Desmocladius	fasciculatus				
talb7		Drosera	menziesii	subsp.	penicillaris		
talb7		Eremaea	asterocarpa	subsp.	asterocarpa		
talb7		Eremaea	pauciflora	var.	pauciflora		
talb7	*	Gladiolus	caryophyllaceus				
talb7		Gompholobium	tomentosum				
talb7		Haemodorum	laxum				
talb7		Haemodorum	spicatum				
talb7		Hemiandra	pungens				
talb7		Hibbertia	hypericoides				
talb7		Hybanthus	calycinus				
talb7	*	Hypochaeris	glabra				
talb7		Isotropis	cuneifolia	subsp.	cuneifolia		
talb7		Jacksonia	floribunda				
talb7		Laxmannia	sessiliflora	subsp.	australis		
talb7		Leucopogon	conostephioides				
talb7		Lomandra	caespitosa				
talb7		Lomandra	hermaphrodita				
talb7		Lyginia	barbata				
talb7		Lysinema	ciliatum				
talb7		Melaleuca	scabra				
talb7		Melaleuca	trichophylla				
talb7		Mesomelaena	pseudostygia				
talb7		Neurachne	alopeкуроidea				
talb7		Olearia	elaeophila				
talb7		Patersonia	occidentalis				
talb7		Phlebocarya	filifolia				
talb7		Podolepis	gracilis				
talb7		Podotheca	angustifolia				
talb7		Quinetia	urvillei				
talb7		Schoenus	bifidus				
talb7		Schooltzia	involucrata				
talb7		Stirlingia	latifolia				
talb7		Stylidium	repens				
talb7		Templetonia	biloba				
talb7		Trachymene	pilosa				
talb7	*	Ursinia	anthermoides				
talb7	*	Wahlenbergia	capensis				

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

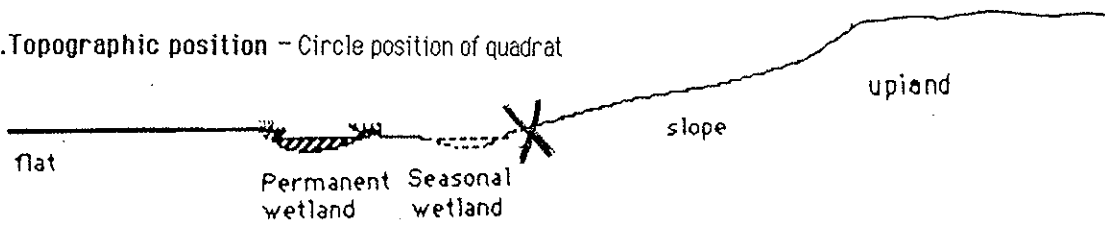
QUADRAT No. TALB 7 VEGETATION TYPE SAND HEATH
 DATE TRIP 9/12/90 BOTANIST B. REIGLEY
 VOLUNTEERS DORCE SVE SYLVIA STON

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 Site = ? F

3. VEGETATION STRUCTURE AND COVER. Record appropriate cover class

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

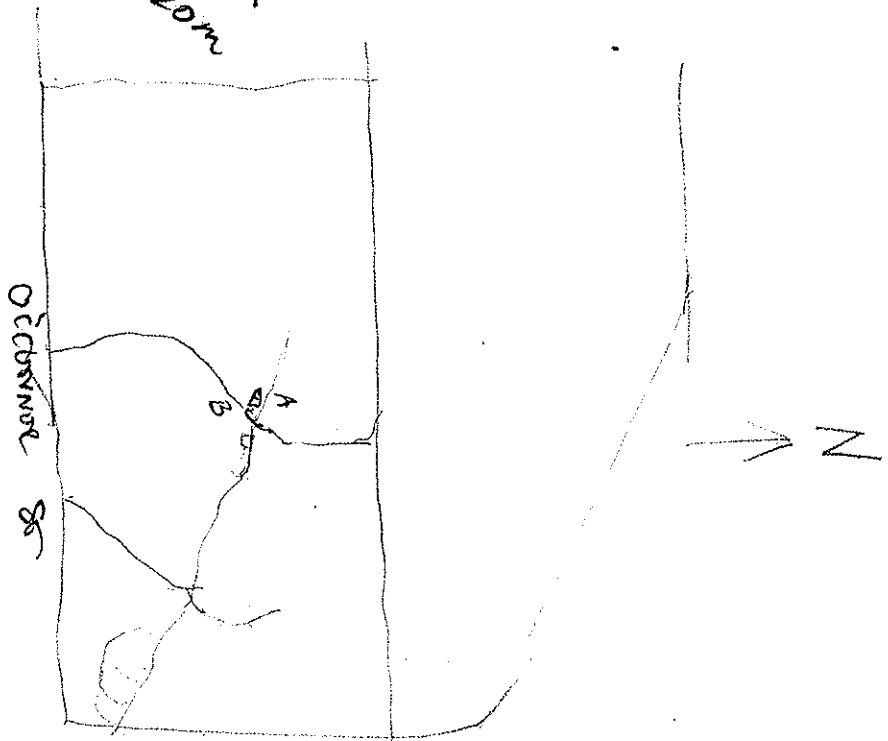
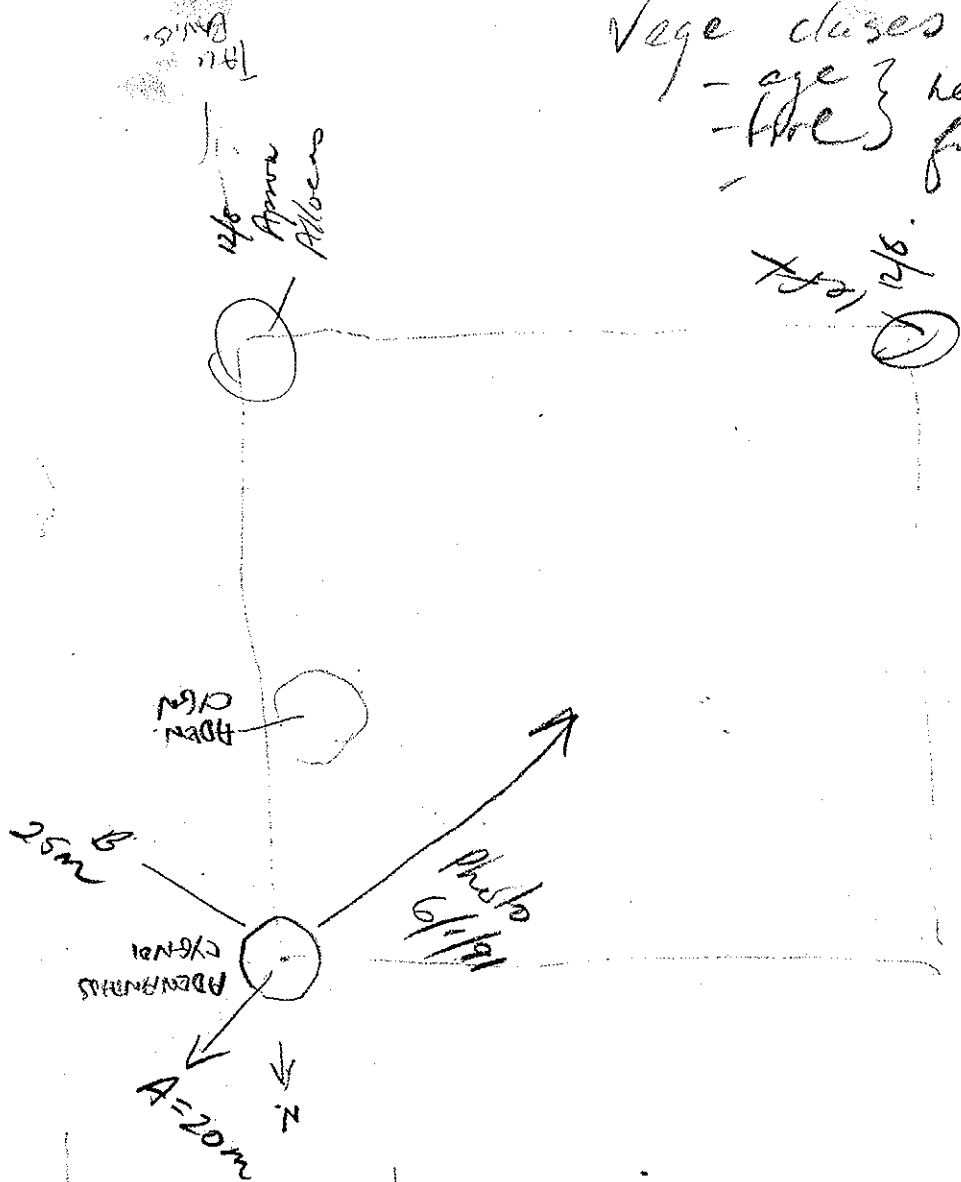
LIFE FORM	TREES	NIL		MALLEES	NIL	
		> 15m or 5-15m	Under 5m		MALLEE SHRUB less than 8m	MALLEE TREE 8m or more
COVER CLASS (%)	> 15m 5-15m	NIL				

LIFE FORM	SHRUBS	<i>Adenanthos cygnorum, Allocas humilis, Eremaea</i>				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%	

Height (metres)

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 2%	10-20%

Vege classes
 - age } height
 - tree } form



I. 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	9/8/91	No	Fl		No	Fl
			<i>Drosera nemijesii</i>		x		<i>Patersonia occidentalis</i>	25 ✓
			<i>Hypochaeris glabra</i>		x		<i>Daisy PODOLEPIS GRACILIS</i>	26
			<i>Hybanthus sicycinus</i>		x		" <i>MURSINIA ANTHEMOIDES</i>	27
			<i>Conostylis aurea</i>	35			" <i>PODOLEPIS GRACILIS</i>	28
			<i>Haemodorum laxum</i>		x		" <i>PODOTHEZA ANGUSTIPHOLIUM</i>	29
Mallees			<i>Lomandra hermaphrodita</i>		x		- <i>WAHLENBERGIA CAPENSIS</i>	30
			<i>Lomandra caespitosa</i>		x		<i>Burchardia umbellata</i>	31
			<i>Trachymene pilosa</i>		x		<i>Dasylogon bromeliifolius</i>	32
			<i>Culdenia filampitosa</i>		x		<i>Phlebocarya filifolia</i>	33 ✓
			<i>Quincha urvilii</i>				<i>Haemodorum spicatum</i>	34
							<i>Conostylis aurea</i>	35
SHRUBS							- <i>Lomandra hermaphrodita</i>	36
x <i>Adiantum cymosum</i>	1						<i>Mesembryema (stygia) prae</i>	37
x <i>Albocaryophyllus humilis</i>	2A+B						<i>Loxocarya sp. flexuosa</i>	38
x <i>Erema PAUCIFLORA</i>	3		Mat Plants				<i>Antrodia praeissii</i>	39
x <i>Muehlenbergia latifolia</i>	4		<i>DROSERA LEUCOBLASTA</i>	50			-	40
x <i>Dactyloctenium DENSIFLORA</i>	5						- <i>Lyginia barbata</i>	41
x <i>Polypodium ANGULATA</i>	6						<i>Restionaceae ? = festiva</i>	42
x <i>Conostylis CONOSTEPHIOIDES</i>	7						- <i>Schoenus bifidus</i>	43
x <i>Olearia () eleophila</i>	8		Bunch Grasses				<i>Conostylis aurea</i>	44
x <i>Erema sp. (? pubescentia)</i>	9		x- <i>Neurachne alopecuroides</i>	18	✓		<i>Sedum</i>	
x <i>Lomandra TOMENTOSUM</i>	10	✓	x- <i>Stipa pycnostachya</i>	19			<i>Sporobolus cuneifolius</i>	45
x <i>Scholtzia involucreta</i> (*)	11		x <i>Amphigen turbinate</i>	20			* <i>HYPDCHAERIS GLABRA</i>	46
x <i>Acacia AUREONITENS</i>	12		x <i>Amea coryophylla</i>	21			-	47
x <i>BOSSIA ERIOCARPA</i>	13						- <i>Laxmannia sessiliflora</i>	48
x <i>Nitentia ANPERICOIDES</i>	14						<i>Conostylis aurea</i>	49
x <i>ALACIA SESSILIS</i>	15							
x <i>Templetonia biloba</i>	16							
x <i>Hemionia linearis</i>	17							
			Herbs				<i>ADJ Calytrix aurea</i>	
			<i>Stylidium sepius</i>	22	✓		<i>Calytrix flavescens</i>	
			<i>Conostylis aculeata</i>	23	✓		<i>Calytrix angulata</i>	
			<i>gladiolus coryophyllaceus</i>	24	✓		<i>Melaleuca "flat tus"</i>	
							<i>Melaleuca trichophylla</i>	
							<i>Melaleuca scabra</i>	
							<i>Sholtzia 'prostate'</i>	
							<i>Jacksonia</i>	
							<i>Aracrium</i>	
							<i>Phlebocarya filifolia</i>	
							<i>Acacia acronitens</i>	
							<i>Lysium stygia ciliatum</i>	

Plot	source	Na	Genus	Species	InfraspRank	InfraspName	Informal	ConsvCode
talb8			Acacia	auronitens				
talb8			Allocasuarina	humilis				
talb8			Amphipogon	turbinatus				
talb8			Andersonia	lehmanniana	subsp.	lehmanniana		
talb8			Austrostipa	compressa				
talb8			Burchardia	congesta				
talb8			Calectasia	narragara				
talb8			Caustis	dioica				
talb8			Chamaescilla	corymbosa	var.	corymbosa		
talb8			Conostylis	aurea				
talb8			Conostylis	caricina	subsp.	caricina		
talb8			Daviesia	podophylla				
talb8			Desmocladus	fasciculatus				
talb8			Drosera	macrantha	subsp.	macrantha		
talb8			Drosera	pycnoblasta				
talb8			Drosera	stolonifera	subsp.	porrecta		
talb8			Dryandra	lindleyana				
talb8			Eremaea	pauciflora	var.	pauciflora		
talb8		*	Gladiolus	caryophyllaceus				
talb8			Gompholobium	confertum				
talb8			Gompholobium	tomentosum				
talb8			Haemodorum	laxum				
talb8			Hakea	ruscifolia				
talb8			Hemiandra	pungens				
talb8			Hibbertia	huegelii				
talb8			Hibbertia	hypericoides				
talb8		*	Hypochaeris	glabra				
talb8			Isopogon	drummondii				P3
talb8			Isotropis	cuneifolia	subsp.	cuneifolia		
talb8			Jacksonia	floribunda				
talb8			Johnsonia	pubescens	subsp.	pubescens		
talb8			Lambertia	multiflora	var.	darlingensis		P3
talb8			Laxmannia	ramosa	subsp.	ramosa		
talb8			Laxmannia	sessiliflora	subsp.	australis		
talb8			Lepidosperma	squamatum				
talb8			Leporella	fimbriata				
talb8			Leucopogon	conostephioides				
talb8			Leucopogon	gracillimus				
talb8			Levenhookia	stipitata				
talb8			Lomandra	hermaphrodita				
talb8			Lomandra	odora				
talb8			Lomandra	preissii				
talb8			Lomandra	sericea				
talb8			Melaleuca	trichophylla				
talb8			Mesomelaena	pseudostygia				
talb8			Mesomelaena	tetragona				
talb8			Nemcia	capitata				
talb8			Neurachne	alopeкуроidea				
talb8			Nuytsia	floribunda				
talb8			Olearia	elaeophila				
talb8			Patersonia	occidentalis				
talb8			Petrophile	linearis				
talb8			Philothea	spicata				
talb8			Phyllangium	paradoxum				
talb8			Podolepis	gracilis				
talb8			Pyrorchis	nigricans				
talb8			Scaevola	canescens				

Plotorsource	Na	Genus	Species	InfraspRank	InfraspName	Informal	ConsvCode
talb8		Scaevola	repens	var.	repens		
talb8		Schoenus	curvifolius				
talb8		Schoenus	efoliatus				
talb8		Siloxerus	humifusus				
talb8		Stenanthemum	tridentatum				P4
talb8		Stirlingia	latifolia				
talb8		Stylidium	brunonianum	subsp.	brunonianum		
talb8		Stylidium	piliferum	subsp.	piliferum		
talb8		Stylidium	repens				
talb8		Templetonia	biloba				
talb8		Tetraria	octandra				
talb8		Trachymene	pilosa				
talb8		Tricoryne	elatior				
talb8	*	Ursinia	anthemoides				
talb8		Xanthorrhoea	preissii				
talb8		Xanthosia	huegelii	subsp.	huegelii	MS	

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

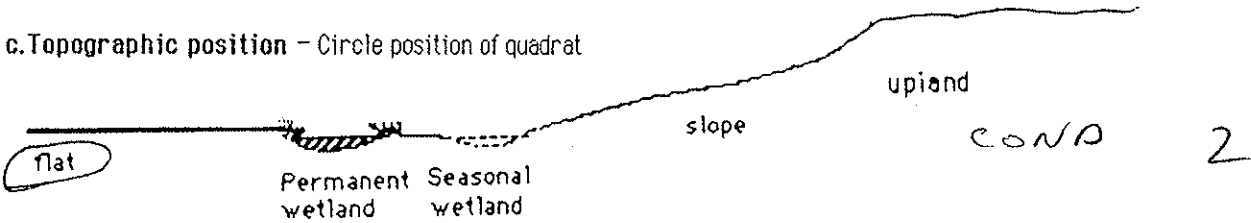
QUADRAT No. T8 VEGETATION TYPE Heath
 DATE TRIP 9.12.90 BOTANIST Greg K
 VOLUNTEERS L. Boyce, K & M. Frederiksen, R. Graham

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 sandy Sub-surface soil sandy clay
under shrubs

3. VEGETATION STRUCTURE AND COVER. Record appropriate cover class

Mapped Soil - F1

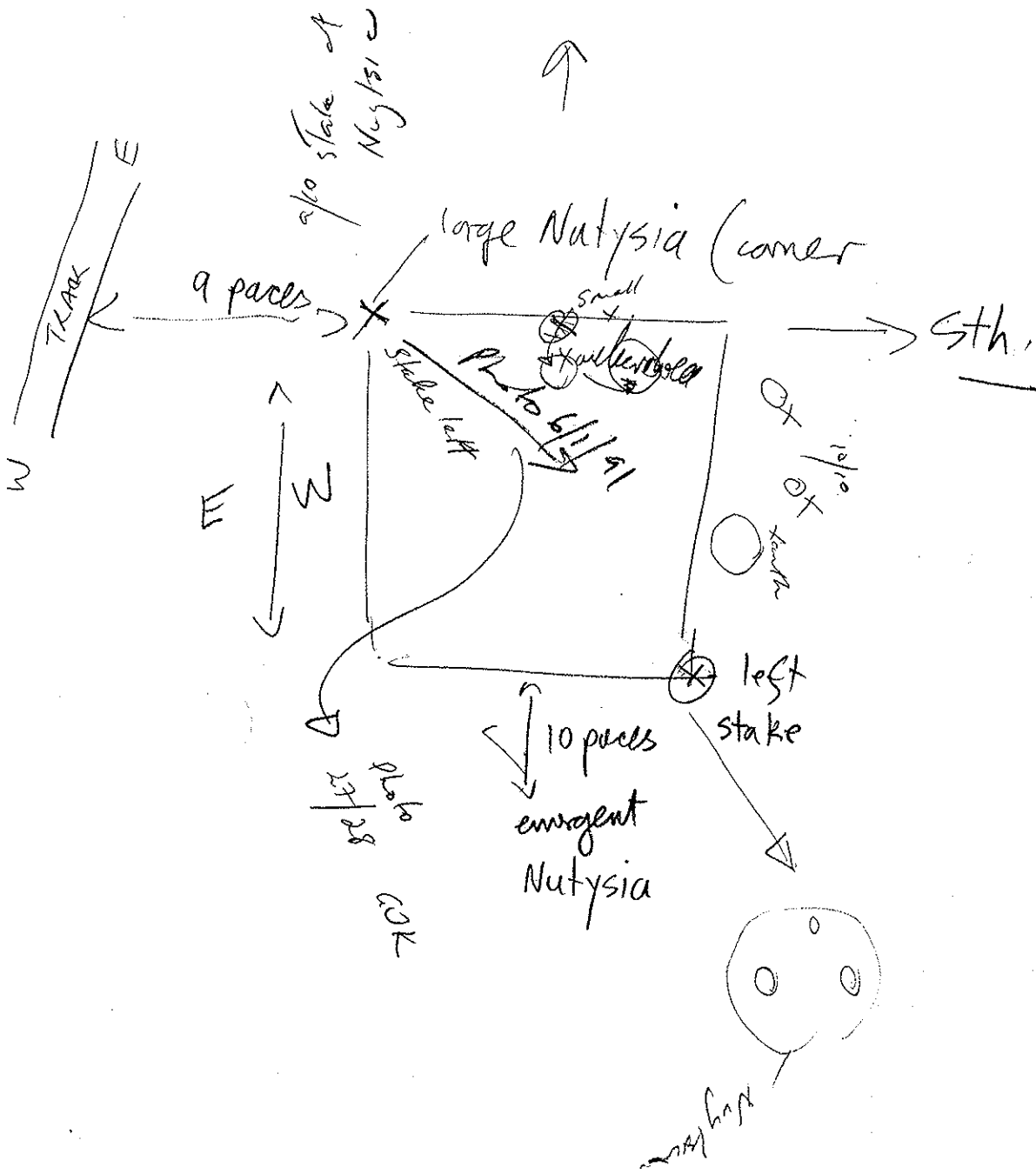
% class over 70%
 50-70%
 30-50%
 20-30%
 10-20%
 2-10%

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

LIFE FORM	SHRUBS	SHRUBS
	over 2m 	2.0-1.5m
COVER CLASS (%)	1 - <i>Hakea muscifolia</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 Sch. ees Tet oct 2-10%
COVER CLASS (%)	2-10	2-10	No	< 1% 2-10%

Height (metres)



I. 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. **TALB 8**

Trees	No	Fl		No	Fl		No	Fl
			8/8/91 <i>Olea oleophila</i>			STYLIDIUM brunonianum		
			<i>Isotropis cueniformis</i>			<i>Stylidium piliferum</i>	27	✓
			<i>Spyridium tridentatum</i>			Stylidium <i>repens</i>	29	✓
			<i>Hyperanthus nigricans</i>			<i>Conostylis aurea</i>	30	✓
			(*) <i>Andersonia lehmanniana</i>			<i>Latmania sessiliflora</i>	42	✓
						<i>hemadodium laxum</i>	47	✓
Mallees			<i>Drosera pycnostachya</i>			<i>Eurcharidia umbellata</i>	49	✓
						8/9/91 <i>Lomandra preissii</i>		
						<i>Laxmannia ramdasi</i>		
			<i>Leucopogon</i> sp (Gr)	37	✓	* <i>Hypochaeris glabra</i>		✓
			" sp. talb small	37	✓	<i>Drosera stolonifera</i>		✓
			<i>Calectaria cyanea</i>			* <i>Ursinia antheroides</i>		✓
SHRUBS						<i>Trachymene pilosa</i>		✓
(*) <i>Naxos ruscifolia</i>	1	✓				<i>Conostylis catinata</i>		✓
x <i>Allocasuarina humilis</i>	2	✓				<i>Chaenactis corymbosa</i>		✓
x (*) <i>Hammettia multiflora</i>	3	✓	Mat Plants			<i>Leporella limicola</i>		✓
x <i>Xanth. priessii</i>	4	✓	<i>Schoenus caespiticus</i>	38	✓	<i>Podolepis gracilis</i>		✓
x <i>Jacksonia floribunda</i>	5	✓			(*) <i>Drosera macrantha</i>		?	
x <i>STIRLINGIA latifolia</i>	6	✓						
x <i>Eremaea pauciflora</i>	7	✓						
x (*) <i>Eriostemon spicatus</i>	8	✓	Bunch Grasses					
x <i>Melaleuca Ericophylla</i>	9	✓	<i>Abercrombie alopecuroides</i>	39	✓	Sedges		
x <i>Hibbertia veegeleitii</i>	10	✓	<i>Amphipogon turbinatus</i>	40	✓	<i>Mesomelaena (stygia) pend.</i>	19	✓
x <i>Gompholobium congesta</i>	11	✓	<i>Schoenus curvifolius</i>	41	✓	<i>Loxocorya cinerea = flex.</i>	20	✓
x <i>Acacia acronotensis</i>	12	✓			<i>Lomandra sericea</i>	22	✓	
x <i>Alyssa floribunda</i>	13	✓			<i>Leptocarpus sp. angustatum</i>	33	✓	
x <i>Hibbertia hypericoides</i>	14	✓			<i>Tetralina octandra</i>	34	✓	
x <i>Scavola canescens</i>	15	✓			<i>Lomandra odora</i>	45	✓	
x (+) <i>L. Dayandra hveea</i>	21	✓			<i>Caustis dioica</i>	46	✓	
x DEAD <i>Isobogon drummondii</i>	23	✓			<i>Mesomelaena tetragen</i>	48	✓	
x (*) <i>Petrophite linneanus</i>	24	✓			8/9/91 <i>Lomandra hermiphridita</i>		✓	
x <i>Scavola paludosa</i>	25	✓						
x <i>Templetonia biloba</i>	26	✓						
x <i>Oxylabium sp capitatum</i>	28	✓						
x <i>Hemianthus linearis</i>	31	✓						
x <i>Gladiolus caryophyllaceus</i>	32	✓	→ tamentosum					
x <i>Gompholobium</i>	35	✓						
x <i>Dawsonia podophylla</i>	36	✓	Herbs					
x <i>Hemianthus linearis</i>	37	✓	<i>Pateissonia occidentalis</i>	16	✓			
x <i>Xanthosis huegelii</i>	43	✓	<i>Tidicodone elatior</i>	17	✓	11/9/ add <i>Gilbertus humifusus</i>		✓
x <i>Hibbertia hypericoides</i>	44	✓	<i>Johnsonia pubescens</i>	18	✓	<i>Laxmannia sessilif</i>		✓
						<i>Stipa compressa</i>		
						<i>Mitrasacme paradoxa</i>		
						<i>Levenh stipitata</i>		

10/10/2002

(*) ? Poranthera

(*) Daviesia inflora

Loxo. fascic.

Stylid

* Briza minor

Podoth. angusti

Persoonia angusti

Lechen. bloba

Comosp. caly.

Thyssa. mang.

Haem. spicatum

(*) Aniz. humilis

(*) Boronia ramosa

* Briza max.

Bossia arida

Borya sphaeroph.

Seneio minimus

Echocnus clandest.

Daliosia tri

Plotorsource	No	Genus	Species	InfraspRank	InfraspName	Informal	ConsvCode
talb9		Acacia	sessilis				
talb9		Acacia	willdenowiana				
talb9		Allocasuarina	humilis				
talb9		Amphipogon	turbinatus				
talb9		Anigozanthos	manglesii	subsp.	manglesii		
talb9		Austrodanthonia	caespitosa				
talb9		Austrostipa	compressa				
talb9		Austrostipa	pycnostachya				
talb9		Boronia	ramosa	subsp.	ramosa		
talb9		Bossiaea	eriocarpa				
talb9	*	Briza	maxima				
talb9	*	Briza	minor				
talb9		Burchardia	congesta				
talb9		Caustis	dioica				
talb9		Chamaescilla	corymbosa	var.	corymbosa		
talb9		Comesperma	calymega				
talb9		Conostephium	pendulum				
talb9		Conostephium	preissii				
talb9		Conostylis	aurea				
talb9		Dasypogon	bromeliifolius				
talb9		Daviesia	podophylla				
talb9		Daviesia	triflora				
talb9		Desmocladus	fasciculatus				
talb9		Drosera	macrantha	subsp.	macrantha		
talb9		Drosera	stolonifera	subsp.	porrecta		
talb9		Dryandra	lindleyana				
talb9		Eremaea	pauciflora	var.	pauciflora		
talb9	*	Gladiolus	caryophyllaceus				
talb9		Gompholobium	confertum				
talb9		Gompholobium	tomentosum				
talb9		Haemodorum	laxum				
talb9		Hakea	ruscifolia				
talb9		Hibbertia	huegelii				
talb9		Hibbertia	hypericoides				
talb9		Hybanthus	calycinus				
talb9		Isotropis	cuneifolia	subsp.	cuneifolia		
talb9		Johnsonia	pubescens	subsp.	pubescens		
talb9		Lambertia	multiflora	var.	darlingensis		P3
talb9		Laxmannia	ramosa	subsp.	ramosa		
talb9		Leporella	fimbriata				
talb9		Levenhookia	stipitata				
talb9		Lomandra	hermaphrodita				
talb9		Lyginia	barbata				
talb9		Lysinema	ciliatum				
talb9		Melaleuca	scabra				
talb9		Melaleuca	trichophylla				
talb9		Mesomelaena	pseudostygia				
talb9		Mesomelaena	tetragona				
talb9		Neurachne	alopeкуроidea				
talb9		Nuytsia	floribunda				
talb9		Olearia	elaeophila				
talb9		Patersonia	occidentalis				
talb9		Petrophile	linearis				
talb9		Philotheca	spicata				
talb9		Podolepis	gracilis				
talb9		Pronaya	fraseri				
talb9		Pterostylis	vittata				

Plotsource	Na	Genus	Species	InfraspRank	InfraspName	Informal	ConsvCode
talb9		Quinetia	urvillei				
talb9		Scaevola	canescens				
talb9		Scaevola	repens	var.	repens		
talb9		Schoenus	curvifolius				
talb9		Schoenus	efoliatus				
talb9		Schoenus	subflavus	subsp.	subflavus		
talb9		Stirlingia	latifolia				
talb9		Templetonia	biloba				
talb9		Tetraria	octandra				
talb9		Thysanotus	patersonii				
talb9		Trachymene	pilosa				
talb9	*	Ursinia	anthemoides				
talb9		Xanthorrhoea	preissii				

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

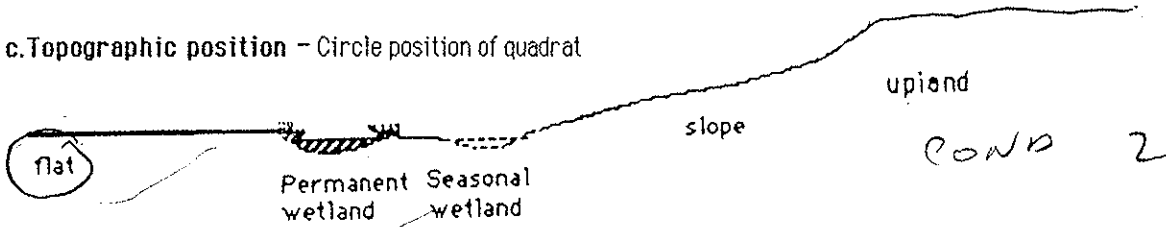
QUADRAT No. TMB 9 VEGETATION TYPE Heath
 DATE TRIP 9 12 90 BOTANIST G Keighly
 VOLUNTEERS Helen, Karl, Rosemary, Dominic

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

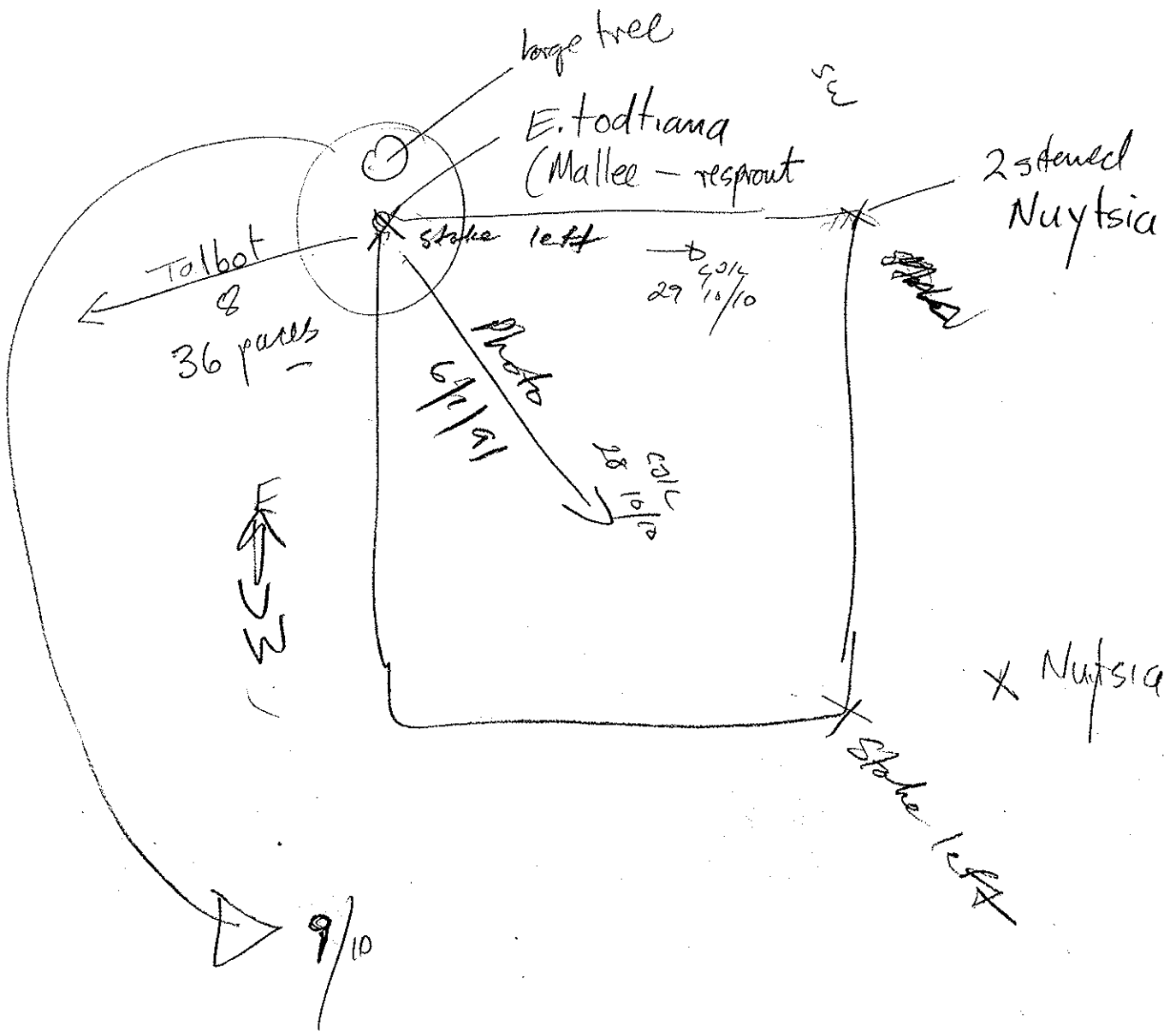
% class over 70%
 50-70%
 30-50%
 20-30%
 10-20%
 2-10%

LIFE FORM	TREES	MALLEES	
	or > 15m 5-15m 	Nil Under 5m 	MALLEE SHRUB less than 8m
COVER CLASS (%)	> 15m Nil 5-15m		

LIFE FORM	SHRUBS	SHRUBS		
	over 2m 	2.0-15m 	1.5-1.0m 10/100 	1.0m-1.5m Lamb mult x pre Lamb mult All humil 20-30%
COVER CLASS (%)	Nil	Nil	2-10	30-50

Height (metres)

LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES	
	under 10cm 	under .5m 	10/100 Pod grass 2-10% under .5m (except creepers) 	mixed over .5m 10/100 	under .5m 2-10% Mes pseud
COVER CLASS (%)	< 2	< 2	< 10	Nil	10-20



Jacksonia photo 6/1/1991

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 ^{10/10}
- indicate if the species is in **flower** ^{10/10}

QUADRAT NO.
TALB9

Podolepis ^{10/10}

Trees	No	Fl	12/8/91	No	Fl	Podolepis	No	Fl
Nyctasia (sucker) see	28	✓	Conostephanum praeii			Conostylis aurea	25	✓
			Acacia (Resalis/acetabulata)		✓	Podolepis gracilior	26	✓
			Nybanthus calyculatus		✓	haemodorum laxum	33	✓
			Potanya linearis			johannaea pubescens	37	
			Templetonia biloba		✓	briza maxima	40	✓
Mallees			Acacia willdenowiana			Tetraria octandra	42	✓
			Isotropis cuneifolia			Chaemasilla corymbosa	44	✓
			(coll) Boronia ramosa		✓	8/8/91 Laxmannia ramosa		✓
						* Ursinia anthemoides		✓
SHRUBS						Podolepis gracilis		✓
(R) Lambertia multiflora	1	✓				Trachynebb pilosa		✓
Casuarina humilis	2	✓				Drosera stolonifera		✓
Xanthorrhoea preissii	3	✓	Mat Plants			Quinetia urvillei		✓
Hakea ruscifolia	4	✓	Schoenus subglauus (clandestinus)			Drosera macrantha		
Eremacra pauciflora	5	✓	Schoenus caespititius	36		Weyerella timbricata		
Conostaphyllum pendulum	6	✓	Schoenus acrifolius	41	✓	Pterostylis vittata		
Melaleuca trichophylla	7	✓						
Petrophile linearis	8	✓	Bunch Grasses			Sedges		
Stirlingia latifolia	9	✓	Amphipogon turbinatus	33	✓	Mesomelaena (stygia) plants	29	✓
(R) Digonera grisea	10	✓	Danthonia calabrera	46		Mesomelaena tetragona	30	✓
Melaleuca scabra	11	✓	Neurachne alopecuroides	45	x	Caustis dioica	31	✓
Gompholobium tomentosum	12	✓	Stipa pycnostachya			Loxocarya fasciculata	32	✓
Gompholobium confertum	13	✓				Tetraria octandra	34	✓
Scaevola caespitosa	14	✓				Ygania barbata	35	✓
Eriostemon spicatus	15	✓				daisy pogon bromeliifolius	43	✓
Olearia eleophila	16	✓				8/8/91 Schoenus (large) caespititius		✓
Bassia eriocarpa	17	✓				Leonardia leucophrodota		✓
Daviesia podophylla	18	✓						
Scaevola paludosa	19	✓						
Lysianassa ciliatum	20	✓						
Hibbertia huegelii	27	✓						
Nyctasia floribunda	28	✓						
Amigodanthus mongesii	38	✓						
Paterersonia occidentalis	39	✓						
8/8/91 Hibbertia hypericoides	47	✓	Herbs					
Cornelipera calymega	48	✓	Thysanotus paterersonia	21	✓			
			gladiolus saryophyll	22	✓			
			Conostylis aurea	23	✓			
x Daviesia triflora		✓	Burchardia umbellata	24	✓			

11/91
Stipa comper
Briza minor
Lerchenhookia stipitata

10/10

Weedy patches

Thy p glab

Urosia anthem.

Grasses.

Petrochaya

10/10 Cono. setigera
homandra caespitosa

Schoenus caespitil

Schoenus clandest.

Haem. spic

Stipa compressa

* Sparaxis bulb. (removed)

Hibb. acerosa ^{sage}

Ham. ham

Thysanotus spatus

Personia angust

* Pentstemon Thunb

* Aiza canyops

* Petrochaya velutina

Senecio minimus

Pronaya bras.

Lepidosp. tenu

Tric elatior

Culectesia nager.

Lech. bitoba

Plot	source	No	Genus	Species	InfraspRank	InfraspName	Informal	ConsrvCode
talb10			Acacia	auronitens				
talb10			Acacia	huegelii				
talb10			Acacia	willdenowiana				
talb10			Allocasuarina	humilis				
talb10			Amphipogon	turbinatus				
talb10			Anigozanthos	manglesii	subsp.	manglesii		
talb10			Arnocrinum	preissii				
talb10			Austrodanthonia	caespitosa				
talb10			Austrostipa	compressa				
talb10			Austrostipa	pycnostachya				
talb10			Banksia	attenuata				
talb10			Banksia	menziesii				
talb10			Bossiaea	eriocarpa				
talb10			Brachyscome	iberidifolia				
talb10			Burchardia	congesta				
talb10			Caladenia	discoidea				
talb10			Chamaescilla	corymbosa	var.	corymbosa		
talb10			Conospermum	stoechadis	subsp.	stoechadis		
talb10			Conostephium	pendulum				
talb10			Conostylis	aculeata				
talb10			Conostylis	aurea				
talb10			Cyathochaeta	equitans				
talb10			Dasypogon	bromeliifolius				
talb10			Daviesia	triflora				
talb10			Desmocladius	fasciculatus				
talb10			Drosera	menziesii	subsp.	penicillaris		
talb10			Drosera	stolonifera	subsp.	porrecta		
talb10			Dryandra	lindleyana				
talb10			Eremaea	asterocarpa	subsp.	asterocarpa		
talb10			Eremaea	pauciflora	var.	pauciflora		
talb10		*	Gladiolus	caryophyllaceus				
talb10			Gompholobium	tomentosum				
talb10			Haemodorum	laxum				
talb10			Hakea	prostrata				
talb10			Hibbertia	aurea				
talb10			Hibbertia	huegelii				
talb10			Hibbertia	hypericoides				
talb10			Hibbertia	subvaginata				
talb10			Hybanthus	calycinus				
talb10			Isopogon	drummondii				P3
talb10			Jacksonia	floribunda				
talb10			Kingia	australis				
talb10			Kunzea	recurva				
talb10			Lepidosperma	sp. (Eastern terete) (BJ Keighery and N Gibson 232)				
talb10			Leporella	fimbriata				
talb10			Leucopogon	gracillimus				
talb10			Levenhookia	stipitata				
talb10			Lomandra	caespitosa				
talb10			Lomandra	hermaphrodita				
talb10			Lyginia	barbata				
talb10			Lysinema	ciliatum				
talb10			Meialeuca	trichophylla				
talb10			Mesomelaena	pseudostygia				
talb10			Monotaxis	grandiflora				
talb10			Neurachne	alopecuroidea				
talb10			Patersonia	occidentalis				

Plot/source	Na	Genus	Species	Infraspecific Rank	Infraspecific Name	Informal	Conservation Code
talb10	*	Pentaschistis	airoides				
talb10		Petrophile	linearis				
talb10		Philothea	spicata				
talb10		Phlebocarya	filifolia				
talb10		Phyllangium	paradoxum				
talb10		Podolepis	gracilis				
talb10		Podotheca	angustifolia				
talb10		Pyrorchis	nigricans				
talb10		Rhodanthe	citrina				
talb10		Scaevola	canescens				
talb10		Scaevola	repens	var.	repens		
talb10		Schoenus	curvifolius				
talb10		Schoenus	efoliatus				
talb10		Schoenus	nanus				
talb10		Scholtzia	involucrata				
talb10		Stirlingia	latifolia				
talb10		Stylidium	brunonianum	subsp.	brunonianum		
talb10		Stylidium	repens				
talb10		Tetralia	octandra				
talb10		Thysanotus	manglesianus				
talb10		Thysanotus	triandrus				
talb10		Trachymene	pilosa				
talb10		Tricostularia	neesii	var.	neesii		
talb10		Tripterococcus	brunonis				
talb10	*	Ursinia	anthemoides				

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

QUADRAT No. TALB 10 (was TALB 79) VEGETATION TYPE BANKSIA ~~MARAI~~ WOODLAND
 DATE TRIP 9-12-90 BOTANIST NEIL
 VOLUNTEERS KATE, KERIN, JENNIFER, BARBARA, RODNEY, RAE

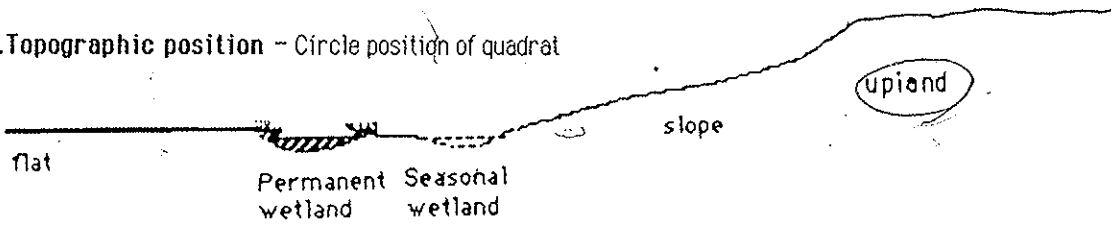
1. LOCATION of the QUADRAT

10/10/02 BJK/SOK

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-yellow

Mapped Soil - ?F1

3. VEGETATION STRUCTURE AND COVER. Record appropriate cover class

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

LIFE FORM	TREES	MALLEES	
		<i>Banksia attenuata</i> <i>B. menziesii</i>	MALLEE SHRUB less than 8m
COVER CLASS (%)	7-15m 5-15m	Under 5m	15m 10m 5m

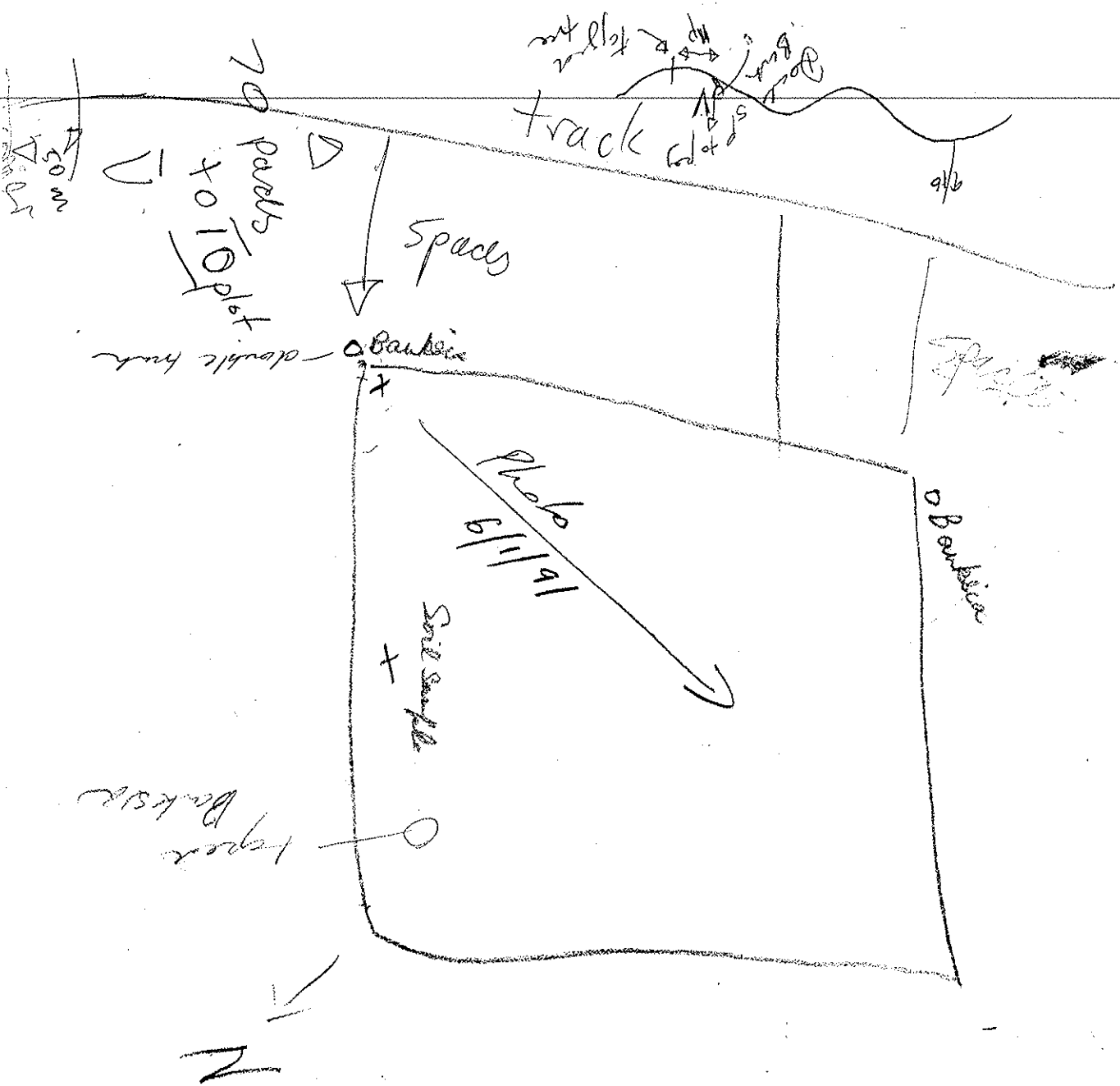
10/10/02 10-20% 3 large dead, epicormic shrubs 9 live

LIFE FORM	SHRUBS	SHRUBS		
		<i>Allocasuarina humilis</i> <i>Speckadiis</i> , <i>Styringia latifolia</i>	<i>Conospermum</i>	
COVER CLASS (%)	over 2m	2.0-1.5m	1.5-1.0m 20-30 Con. shrub Iso. shrub All. hem.	1.0m-0.5m under 0.5m Pet. lin Scad. rep Scad. Oak 2-10%

NO Height (metres) confirmed

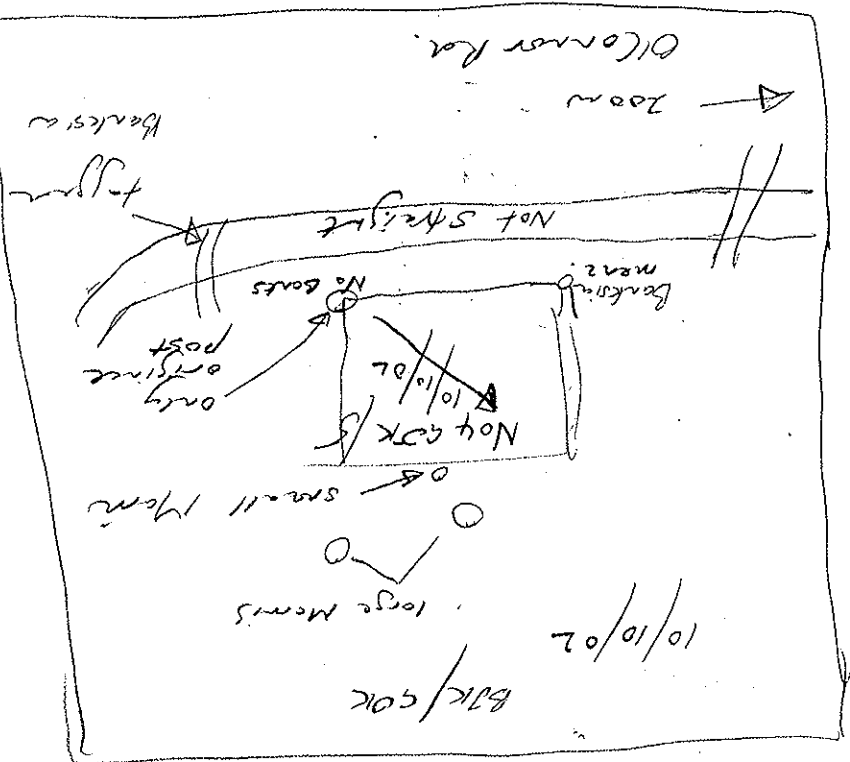
LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES < 0.5
		under 10cm	under 0.5m 2-10% Amphiturb	10/10 <i>Cono. ocul.</i> <i>Anigmom</i> under 0.5m (except creepers) 2-10%
COVER CLASS (%)			10-20	2-10 10-20

edge of corner Rd



9/10

1 peg? Spads track



4. 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 10/10

QUADRAT No. 9/10

R = Resprint (Most not here)
 ⊗ No seeds 10/10
 #

Trees	No	Fl	12/8/91	No	Fl		No	Fl
<i>Banksia allanata</i>	1	✓	<i>Conostegium pendulum</i>	✓	✓	<i>BURCHARDIA UMBELLATA</i>	✓	✓
<i>Banksia hughesii</i>	2	✓	<i>Acacia wildestiana</i>	✓	✓	<i>GLADIOLUS CARYOPHYLLACEUS</i>	✓	✓
			<i>Hibbertia aurea</i>	✓	✓	<i>STYLIUM BRUNONIAVUM</i>	✓	✓
			12/8 <i>Lomandra caespitosa</i>	✓	✓	<i>AMPHIPOGON TURBINATUS</i>	✓	✓
			<i>Hyparrhenia calycina</i>	✓	✓	<i>ANIGODANTHOS MANGLESII</i>	✓	✓
			<i>Drosera stolonata</i>	✓	✓	<i>WAITZIA CITRINA</i>	✓	✓
Mallees			* <i>Urosium anthemoides</i>	✓	✓	<i>TRIPTEROCOCCUS BRUNONIS</i>	✓	✓
10/10 Ad. egg			<i>Chaemosaeta corymbosa</i>	✓	✓	<i>DANKTONIA CAESPITOSA</i>	✓	✓
Haem. spic.			<i>Podolapis gracilis</i>	✓	✓	<i>PATERSONIA OCCIDENTALIS</i>	✓	✓
			<i>Trachymene pilosa</i>	✓	✓	<i>PHLEBOBARIA FILIFOLIA</i>	✓	✓
			<i>Lyperanthus nigricans</i>	✓	✓	<i>Neurachne alopeuroidea</i>	✓	✓
			<i>Stemodorum flexum</i>	✓	✓	<i>THYSANOTUS FILANDRUS</i>	✓	✓
SHRUBS			<i>Thysanotus manglesianus</i>	✓	✓	<i>CONOSTYLIS aurea aculeata</i>	✓	✓
<i>Allocasuarina humilis</i>	3	✓	<i>Calandera sp discoides</i>	✓	✓	<i>LEREIN HOOKIA SPITATA</i>	✓	✓
<i>Conospermum streptocladia</i>	4	✓	<i>Lomandra halmisphallos</i>	✓	✓			
<i>STIRLINGIA LATIFOLIA</i>	5	✓	Mat Plants					
<i>JACKSONIA FLORIBUNDA</i>	6	✓				<i>Stylidium repens</i>	✓	
<i>ISOPOGON BRUNONDI</i>	7	✓				<i>Drosera menziesii</i>	✓	
<i>KUNZEA RECURVA</i>	7	✓				<i>Leporella imbricata</i>	✓	
<i>EREMEA CAUCIFLORA</i>	8	✓	Bunch Grasses			<i>Stylidium brunconianum</i>	✓	
<i>GOMPHOLOBIUM tomentosum</i>	9	✓				Sedges		
<i>ERIOSTEMON SPICATUS</i>	10	✓	12/8			<i>STIPA PYCNOSTACHYA</i>	✓	✓
<i>HIBBERTIA HYPERICOIDES</i>	11	✓	<i>Amphipogon turbinatus</i>	✓	✓	<i>LOXOPARYA amarula</i>	✓	✓
			11/91			<i>TETRARIA TRICHOSTULARIA NEESII</i>	✓	✓
			<i>Boerhaavia laetifolia</i>	✓	✓	<i>MESOMELAENA STYGLIA</i>	✓	✓
<i>ACACIA AUROFITENS</i>	12	✓				?	44	
<i>SCAEVOLA CANESCENS</i>	13	✓	<i>Mitrasacme oradoxa</i>	✓	✓	<i>Lycium barbatum</i>	✓	✓
<i>MELALEUCA TRICHOPHYLLA</i>	14	✓	<i>Drosera stolonata</i> NP	✓	✓	<i>Schoenus calpiticus</i>	✓	✓
<i>HAKEA PROSTRATA</i>	15	✓	<i>Leberhookia stipitata</i>	✓	✓	<i>LEPTIDOSPERMA tenuis</i>	✓	✓
<i>HIBBERTIA SUBVAGINATA</i>	16	✓	<i>Stipa compe</i>	✓	✓	<i>STYLIUM REPENS</i>		
<i>HIBBERTIA HUGGELII</i>	17	✓				12/8		
<i>MONOTAXIS GRANDIFLORA</i>	19	✓	* R <i>Triptero-coccus brunoni</i>	✓	✓	<i>Eriothaetae averacea</i>	✓	✓
<i>ACACIA HUGGELII</i>	19	✓	<i>Pentastichis arcuata</i>	✓	✓	<i>Hesperia octandra</i>	✓	✓
<i>RETROPHILE LINEARIS</i>	20	✓	<i>Schoenus nanus</i>	✓	✓	<i>Schoenus caribolius</i>	✓	✓
<i>EREMEA (BIG)</i>	21	✓	<i>Podotrocha angustiflora</i>	✓	✓	<i>Ad. Kingia australis</i>	✓	✓
<i>DRYANORA NIVEA</i>	22	✓				<i>Schultzia involucreata</i>	✓	✓
<i>ROSSIAEA ERIOCARPA</i>	23	✓	Herbs			10/10		
<i>LYSINEMA CILIATA</i>	24	✓				MARK		
<i>LEUCOPOGON</i>	25	✓	<i>DASYPOGON BROMELIIFOLIUS</i>	✓	27	✓		
<i>SCAEVOLA PALUDOSA</i>	26	✓	<i>CONOSTYLIS AUREA</i>	✓	28	✓		
<i>LEPTOMURIA Davisia triflora</i>	49	✓	<i>ARNOCRIVUM PREISSII</i>	✓	29	✓		

10/10

Macarth. australis

Wahl. capensis

Isolop. marg.

*Wahl. capensis

⊗ Femp. biloba

*Briza. maxima

Lax. sessiliflora

Cent. drummondiana

Aira. cany.

Crass. ciliolata

hok. fasciculata

Lepid. squarretum

Hyp. exsulca

Calandrinia long.

Alex. nitens

*Ehrh. calycina

Conosty. setig.

Calceolaria cana

*Hyp. glabra

Arno. preiss

Bank at seedling
more seedling

Plotorsource	No	Genus	Species	Infrasprank	InfrasprName	Informal	ConsVCode
talb11		Acacia	auronitens				
talb11		Acacia	willdenowiana				
talb11		Allocasuarina	humilis				
talb11		Amphipogon	turbinatus				
talb11		Austrostipa	pycnostachya				
talb11		Banksia	attenuata				
talb11		Bossiaea	eriocarpa				
talb11		Burchardia	congesta				
talb11		Chamaescilla	corymbosa	var.	corymbosa		
talb11		Conospermum	acerosum				
talb11		Conospermum	stoechadis	subsp.	stoechadis		
talb11		Conostylis	aculeata				
talb11		Conostylis	aurea				
talb11		Conostylis	setigera	subsp.	setigera		
talb11		Cyathochaeta	equitans				
talb11		Dasyogon	bromeliifolius				
talb11		Desmocladius	fasciculatus				
talb11		Drosera	glanduligera				
talb11		Drosera	menziesii	subsp.	penicillaris		
talb11		Drosera	stolonifera	subsp.	porrecta		
talb11		Dryandra	lindleyana				
talb11		Eremaea	asterocarpa	subsp.	asterocarpa		
talb11	*	Gladiolus	caryophyllaceus				
talb11		Gompholobium	tomentosum				
talb11		Haemodorum	laxum				
talb11		Haemodorum	spicatum				
talb11		Hybanthus	calycinus				
talb11		Isotropis	cuneifolia	subsp.	cuneifolia		
talb11		Jacksonia	floribunda				
talb11		Lepidobolus	preissianus				
talb11		Lepidosperma	leptostachyum				
talb11		Leporella	fimbriata				
talb11		Lomandra	caespitosa				
talb11		Lomandra	hermaphrodita				
talb11		Lyginia	barbata				
talb11		Mesomelaena	pseudostygia				
talb11		Patersonia	occidentalis				
talb11		Persoonia	saccata				
talb11		Petrophile	linearis				
talb11		Philothea	spicata				
talb11		Phlebocarya	filifolia				
talb11		Podolepis	gracilis				
talb11		Scaevola	repens	var.	repens		
talb11		Schoenus	efoliatus				
talb11		Tetralia	octandra				
talb11		Thysanotus	manglesianus				
talb11		Trachymene	pilosa				
talb11		Tricostularia	neesii	var.	neesii		
talb11	*	Ursinia	anthemoides				

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

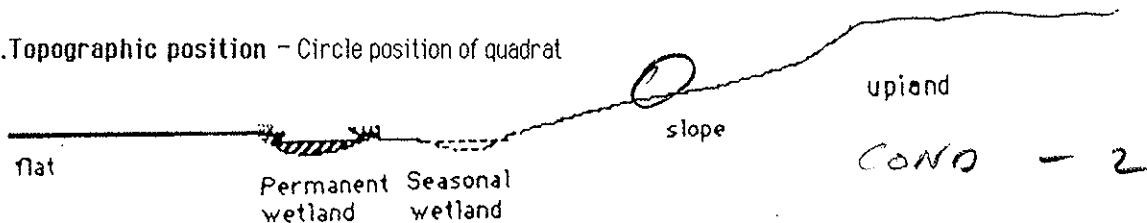
QUADRAT No. TALB 11 / was X VEGETATION TYPE Banksia Woodland
 DATE TRIP 9/12/1990 BOTANIST Greg Keating
 VOLUNTEERS Neil Coy, Ellen Aude, Pauline Furel, Marg Evans

1. LOCATION of the QUADRAT

a. Mud Map Draw a sketch of the location of the quadrat at 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 6% Drainage well mod poor Wet All year winter/spring

Litter (% cover) 20% Surface soil white Sand Sub-surface soil grey sed.

3. VEGETATION STRUCTURE AND COVER. Record appropriate cover class

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

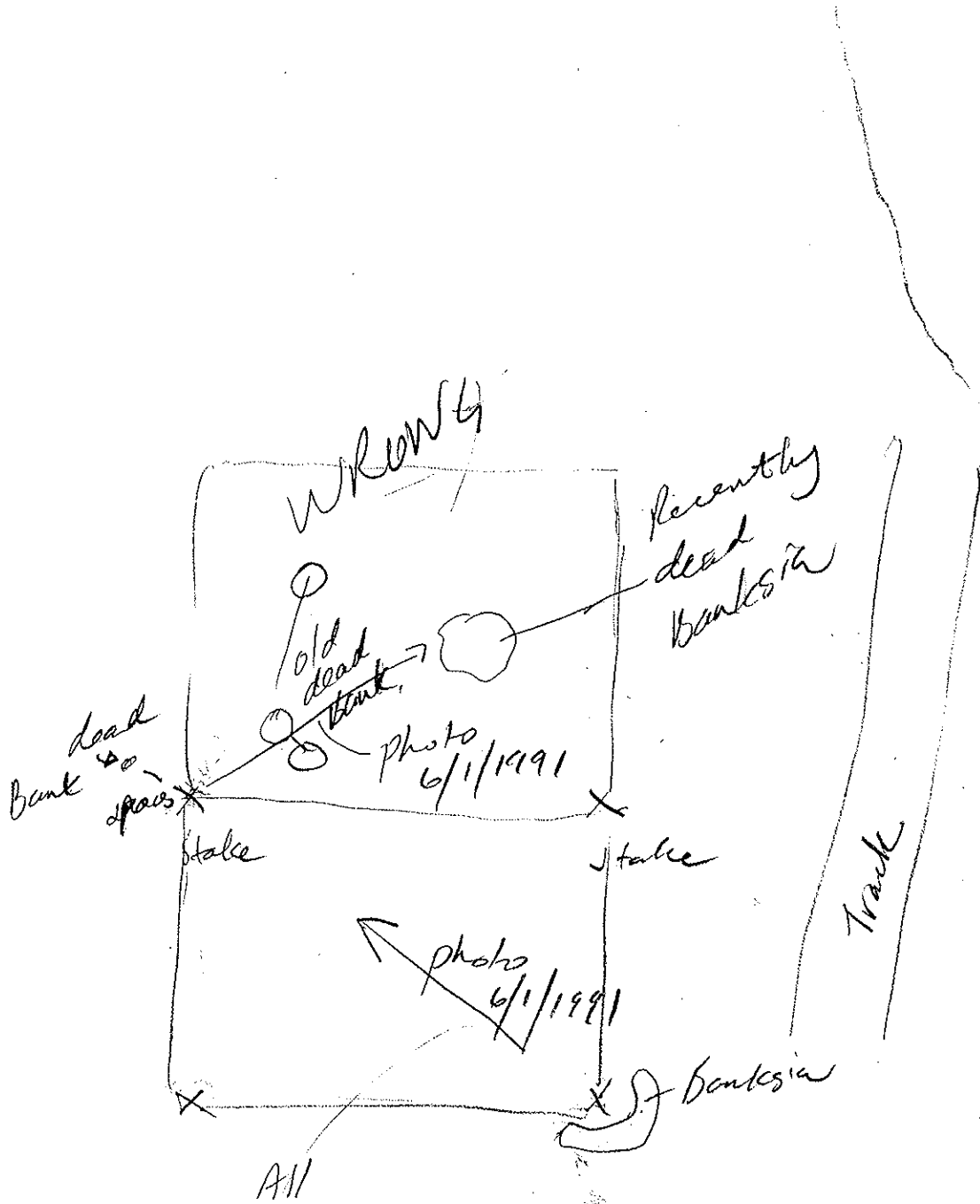
LIFE FORM	TREES	MALLEES	
	<u>Banksia att & Menz</u> > 15m or 5-15m 	under 5m 	MALLEE SHRUB less than 8m
COVER CLASS (%)	> 15m 5-15m	2%	

LIFE FORM	SHRUBS	SHRUBS			
	<u>Allocasuarina humilis, Jacksonia densiflora, Conospermum speckadiis</u> over 2m 	2.0-1.5m 	1.5-1.0m 	1.0m - .5m 	under 5m
COVER CLASS (%)		9%	10%	6%	

Height (metres)

LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES	
	under 10cm 	under .5m 	under .5m (except creepers) 	over .5m 	under .5m
COVER CLASS (%)	0	2%	3.5%	25%	0.5%

3 dead Banksias
10 Banksia seedlings



Cyathochaete
Grass picture 4/1/1991


Plot/source	No	Genus	Species	Infraspecific Rank	Infraspecific Name	Informal	Conservation Code
talb12		Acacia	pulchella	var.	glaberrima		
talb12		Austrostipa	pycnostachya				
talb12	*	Avena	fatua				
talb12		Baeckea	camphorosmae				
talb12		Borya	sphaerocephala				
talb12	*	Briza	maxima				
talb12		Burchardia	congesta				
talb12		Caesia	micrantha				
talb12		Caladenia	longicauda				
talb12		Cassytha	aurea				
talb12		Chamaescilla	versicolor				
talb12		Chorizema	dicksonii				
talb12		Craspedia	variabilis				
talb12		Cryptandra	arbutiflora	var.	tubulosa		
talb12		Cyathochaeta	avenacea				
talb12		Daviesia	horrida				
talb12		Desmocladius	fasciculatus				
talb12		Desmocladius	fasciculatus				
talb12		Dichopogon	capillipes				
talb12		Diuris	longifolia				
talb12		Drosera	erythrorhiza	subsp.	erythrorhiza		
talb12		Drosera	menziesii	subsp.	penicillaris		
talb12		Dryandra	armata	var.	armata		
talb12		Eucalyptus	wandoo	subsp.	wandoo		
talb12	*	Gladiolus	caryophyllaceus				
talb12		Gonocarpus	pithyoides				
talb12		Goodenia	caerulea				
talb12		Hakea	erinacea				
talb12		Hakea	lissocarpha				
talb12		Hakea	myrtoidea				
talb12	*	Hesperantha	falcata				
talb12		Hibbertia	commutata				
talb12		Hibbertia	hypericoides				
talb12		Homalosciadium	homalocarpum				
talb12		Hypocalymma	angustifolium				
talb12	*	Hypochaeris	glabra				
talb12		Hypoxis	occidentalis	var.	occidentalis		
talb12		Lagenophora	huegelii				
talb12		Laxmannia	ramosa	subsp.	ramosa		
talb12		Laxmannia	squarrosa				
talb12		Lepidosperma	sp. (Eastern terete) (BJ Keighery and N Gibson 232)				
talb12		Lepidosperma	squamatum				
talb12		Lomandra	preissii				
talb12		Lyperanthus	serratus				
talb12		Melaleuca	scabra				
talb12		Mesomelaena	tetragona				
talb12		Nemcia	spathulata				
talb12		Neurachne	alopeuroidea				
talb12		Opercularia	vaginata				
talb12		Patersonia	juncea				
talb12		Pithocarpa	pulchella	var.	pulchella		
talb12		Poa	drummondiana				
talb12		Pterostylis	barbata				
talb12		Pultenaea	ericifolia				
talb12		Schoenus	unispiculatus				
talb12		Sowerbaea	laxiflora				

Plotorsource	No	Genus	Species	InfraspRank	InfraspName	Informal	ConsvCode
talb12		Stylidium	affine				
talb12		Stylidium	brunonianum	subsp.	brunonianum		
talb12		Stylidium	bulbiferum				
talb12		Synaphea	acutiloba				
talb12		Tetraria	octandra				
talb12		Thelymitra	crinita				
talb12		Thysanotus	thyrsoides				
talb12		Trachymene	pilosa				
talb12		Trichocline	spathulata				
talb12	*	Trifolium	angustifolium	var.	angustifolium		
talb12	*	Trifolium	campestre	var.	campestre		
talb12	*	Ursinia	antheroides				
talb12		Xanthorrhoea	preissii				
talb12		Xanthosia	candida				

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

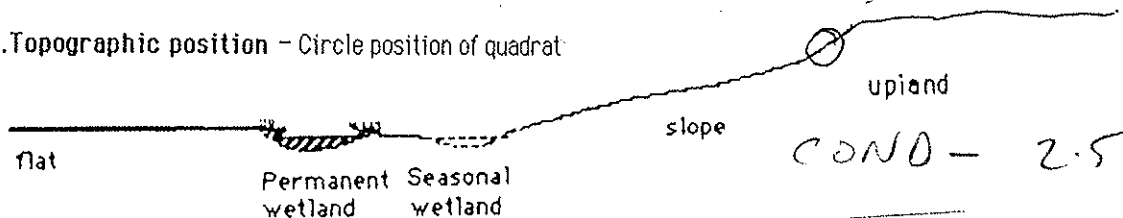
QUADRAT No. TALB 12 VEGETATION TYPE Wandoo Woodland
 DATE TRIP 18/9/91 BOTANIST ATK BTK
 VOLUNTEERS _____

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 JURIE SANDPLAIN
 SURVEY. WILDFLOWER SOCIETY of WA

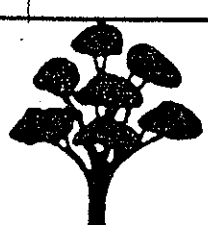



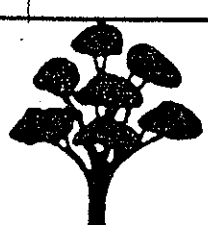



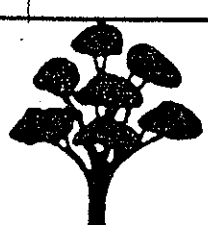




















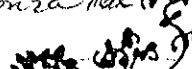




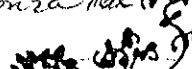




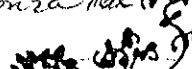


2. SITE DATA - Circle the correct response

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

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

Litter (% cover) 50% Surface soil red loam Sub-surface soil lat-quartzite
 Mapped Soil 7F6 (King Wells, 1990) rocky

3. VEGETATION STRUCTURE AND COVER. Record appropriate cover class

Cover Class - percentage classes	over 70%	<table border="1"> <tr> <td rowspan="2">LIFE FORM</td> <td>TREES</td> <td colspan="2">Wandoo</td> <td>MALLEES</td> <td></td> </tr> <tr> <td> or > 15m 5-15m  </td> <td>under 5m </td> <td>MALLEE SHRUB less than 8m </td> <td>MALLEE TREE 8m or more </td> <td>15m 10m 5m</td> </tr> <tr> <td>COVER CLASS (%)</td> <td>> 15m 5-15m</td> <td>10%</td> <td></td> <td></td> <td></td> </tr> </table>				LIFE FORM	TREES	Wandoo		MALLEES		or > 15m 5-15m 	under 5m 	MALLEE SHRUB less than 8m 	MALLEE TREE 8m or more 	15m 10m 5m	COVER CLASS (%)	> 15m 5-15m	10%						
	LIFE FORM	TREES	Wandoo		MALLEES																				
		or > 15m 5-15m 	under 5m 	MALLEE SHRUB less than 8m 	MALLEE TREE 8m or more 	15m 10m 5m																			
	COVER CLASS (%)	> 15m 5-15m	10%																						
50-70%																									
30-50%																									
20-30%	<table border="1"> <tr> <td rowspan="2">LIFE FORM</td> <td>SHRUBS</td> <td colspan="3"></td> <td>SHRUBS</td> <td></td> </tr> <tr> <td> over 2m  </td> <td>2.0-1.5m </td> <td>1.5-1.0m Ac pub Hick are thyp ang. </td> <td>1.0m - .5m </td> <td>under 5m Hak ho </td> <td>3m 2m 1m</td> </tr> <tr> <td>COVER CLASS (%)</td> <td></td> <td></td> <td>5%</td> <td></td> <td>20%</td> </tr> </table>					LIFE FORM	SHRUBS				SHRUBS		over 2m 	2.0-1.5m 	1.5-1.0m Ac pub Hick are thyp ang. 	1.0m - .5m 	under 5m Hak ho 	3m 2m 1m	COVER CLASS (%)			5%		20%	
LIFE FORM	SHRUBS				SHRUBS																				
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COVER CLASS (%)			5%		20%																				
10-20%																									
2-10%																									
0%	<table border="1"> <tr> <td rowspan="2">LIFE FORM</td> <td>MAT PLANTS</td> <td>BUNCH GRASSES</td> <td>HERBS</td> <td colspan="2">SEDGES</td> <td></td> </tr> <tr> <td> under 10cm  </td> <td> under .5m Neeshahe Slip pge  </td> <td> under .5m (except creepers) Briza max  </td> <td>over .5m </td> <td>under .5m </td> <td>2.0m 1.5m 1.0m .5m</td> </tr> <tr> <td>COVER CLASS (%)</td> <td></td> <td>10%</td> <td>30-50%</td> <td></td> <td>10-20%</td> <td></td> </tr> </table>					LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES			under 10cm 	under .5m Neeshahe Slip pge 	under .5m (except creepers) Briza max 	over .5m 	under .5m 	2.0m 1.5m 1.0m .5m	COVER CLASS (%)		10%	30-50%		10-20%	
LIFE FORM	MAT PLANTS	BUNCH GRASSES	HERBS	SEDGES																					
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COVER CLASS (%)		10%	30-50%		10-20%																				

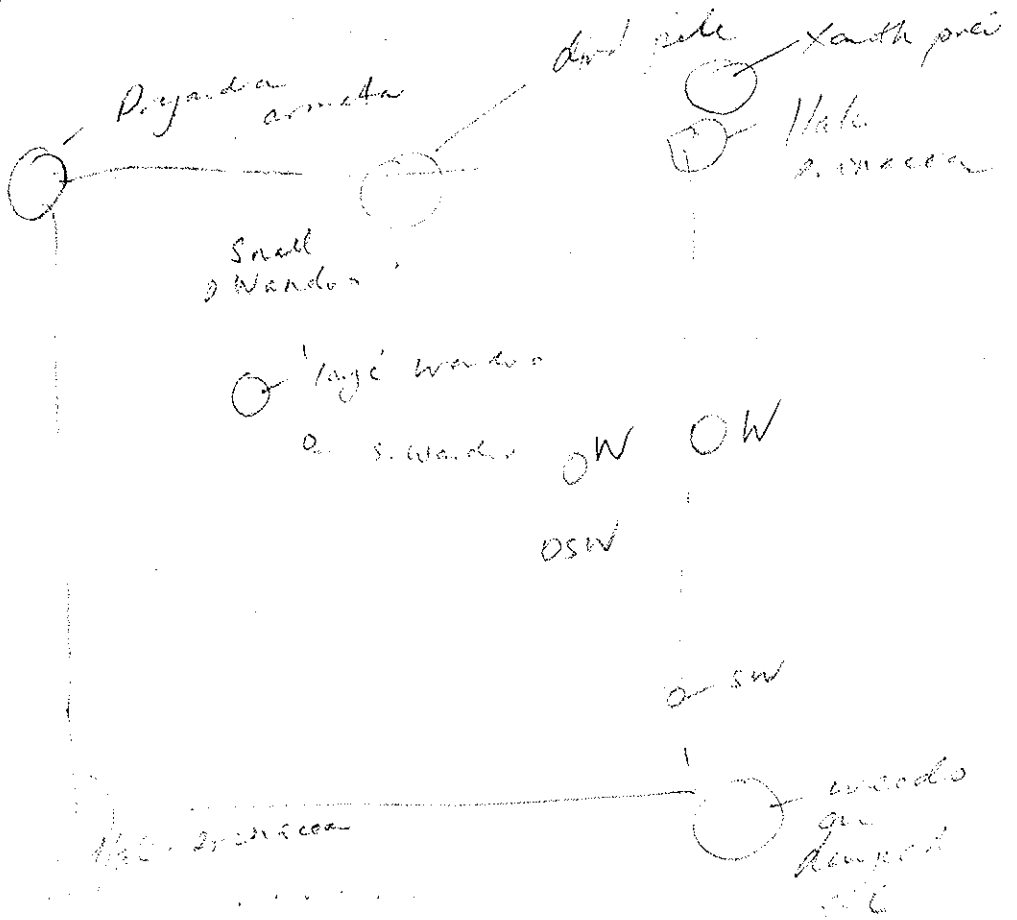
SPECIES PRESENCE

- 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

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

QUADRAT No.
TALB 12

Trees	No	Fl.		No	Fl.		No	Fl.
Wandoo	✓		* <i>Tritolium campastrum</i> ✓			<i>Erygia sphaerocephala</i> ✓		
			* <i>Tritolium angustifolium</i> ✓			<i>Laxmannia squarrosa</i> ✓		
			* <i>Avena fatua</i> ✓			<i>Lagenaria huegollii</i> ✓		
			* <i>Diadema cary</i> ✓			<i>Trichocline sp. A sp. B</i> ✓		
			<i>Spartina caerulea</i> vsp ✓			<i>Crasspedia pleiophila</i> ✓		
			<i>Chaenoxeros varicoides</i> ✓			<i>Chaenocilla valsekolski</i> ✓		
			<i>Cassipoula pubescens</i> ✓			<i>Caesia villosa</i> ✓		
Mallees			<i>Laxmannia ramosa</i> ✓			<i>Opercularia vaginata</i> ✓		
			<i>Burchardia umbellata</i> ✓			* <i>Romulea rosea</i> ✓		
			<i>Pterostylis barbata</i> ✓			<i>Stylidium affine</i> ✓		
			<i>Pithecolobium spaldingii</i> ✓			<i>Stylidium bulbiferum</i> ✓		
			<i>Lomandra preissii</i> ✓			<i>Lycopodium serratum</i> ✓		
			<i>Stylidium brun</i> ✓			<i>Diuris longifolia</i> ✓		
SHRUBS			* <i>Hypochaeris glabra</i> ✓			<i>Dios. erythrorhiza</i> ✓		
<i>Hakea erinacea</i> ✓			<i>Homalosalix perent.</i> ✓			<i>Thysanotes thyrsoides</i> ✓		
<i>Hypocalymma angust.</i> ✓			* <i>Crotona pithemoides</i> ✓			<i>Asteroidium californicum</i> ✓		
<i>Bryandea armata</i> ✓			Mat Plants			* <i>Hesperanthera tateana</i> ✓		
<i>Hakea vissocephala</i> ✓						<i>Tachypnum pilosa</i> ✓		
<i>Synaphea acutiloba</i> ✓						<i>Diosca monticola</i> ✓		
<i>Chorizandra dicksonii</i> ✓						<i>Palersonia juncea</i> ✓		
<i>Nemcia spath.</i> ✓								
<i>Daviesia horrida</i> ✓			Bunch Grasses			Sedges		
<i>Cryptandra arbutiflora</i> ✓			<i>Braea maxima</i> ✓			<i>Loxocory cinerea</i> ✓		
<i>Baeckea camphorosmae</i> ✓			<i>Stipa pycnostachya</i> ✓			<i>Lepidosperma tenax</i> ✓		
<i>Hibbertia melastomifolia hyp.</i> ✓			<i>Neurochloa alopecuroides</i> ✓			<i>Lepidosperma angust.</i> ✓		
<i>Crotona sanguinea</i>			<i>Stipa pycnostachya</i>			<i>Tetraria octanthera</i> ✓		
<i>Pultenaea ericoides</i> vsp ✓			<i>Cyathochaeta avenacea</i> ✓			<i>Loxocorya fascic.</i> ✓		
<i>Hakea myrtoides</i> ✓			<i>Poa drummondiana</i> ✓			<i>Schoenus unispiculatus</i> ✓		
<i>Acacia pedicellata</i> var <i>glob.</i> ✓						<i>Mesomastix tetrag.</i> ✓		
<i>Hibbertia talb 12</i> vsp ✓								
<i>Hypocalymma angust.</i> ✓						<i>Thelymitra strob. pke</i>		
<i>Xanthorrhoea preissii</i> ✓						<i>= cinnif.</i>		
<i>Notolauca scabra</i> ✓								
						<i>Phytrophyllum (leaf only)</i> ✓		
						<i>Tala dieckmannii</i> ✓		
						<i>Hypoxis occidentalis</i> ✓		
			Herbs					
			<i>Gonocarpus pithyoides</i> ✓					
			<i>Xanthoxia candida</i> ✓					
			<i>Sesuvium laxiflora</i> ✓					



Adj - granite boulders,
Dichapogon praeisii
Skypa ha
Amig. barb
Ptero secura

Plotorsource	No	Genus	Species	Infrasprank	InfrasprName	Informal	ConsvCode
talb13		Acacia	pulchella	var.	glaberrima		
talb13		Austrostipa	pycnostachya				
talb13		Borya	sphaerocephala				
talb13	*	Briza	maxima				
talb13		Burchardia	congesta				
talb13		Cassytha	aurea				
talb13		Cassytha	micrantha				
talb13		Chamaescilla	versicolor				
talb13		Conostylis	caricina	subsp.	caricina		
talb13		Cyathochaeta	avenacea				
talb13		Desmocladius	fasciculatus				
talb13		Desmocladius	fasciculatus				
talb13		Dichopogon	preissii				
talb13		Drosera	erythrorhiza	subsp.	erythrorhiza		
talb13		Drosera	macrantha	subsp.	macrantha		
talb13		Drosera	menziesii	subsp.	penicillaris		
talb13		Eryngium	pinnatifidum	subsp.	pinnatifidum	MS	
talb13		Eucalyptus	calophylla				
talb13		Eucalyptus	wandoo	subsp.	wandoo		
talb13	*	Gladiolus	caryophyllaceus				
talb13		Goodenia	caerulea				
talb13		Hakea	lissocarpha				
talb13		Hakea	trifurcata				
talb13		Hakea	undulata				
talb13	*	Hesperantha	falcata				
talb13		Homalosciadium	homalocarpum				
talb13		Hydrocotyle	pilifera				
talb13	*	Hypochaeris	glabra				
talb13		Lagenophora	huegelii				
talb13		Laxmannia	squarrosa				
talb13		Lechenaultia	biloba				
talb13		Lepidosperma	sp. (Eastern terete) (BJ Keighery and N Gibson 232)				
talb13		Lepidosperma	squamatum				
talb13		Leucopogon	polymorphus				
talb13		Lomandra	spartea				
talb13		Melaleuca	scabra				
talb13		Nemcia	spathulata				
talb13		Neurachne	alopeкуроidea				
talb13		Opercularia	vaginata				
talb13		Pimelea	imbricata	var.	piliger		
talb13		Ptilotus	stirlingii	var.	stirlingii		
talb13		Stylidium	brunonianum	subsp.	brunonianum		
talb13		Stylidium	bulbiferum				
talb13		Thelymitra	crinita				
talb13		Thysanotus	patersonii				
talb13		Thysanotus	thyrsoides				
talb13		Tribonanthes	brachypetala				
talb13		Trichocline	spathulata				
talb13		Xanthorrhoea	preissii				
talb13		Xanthosia	candida				

Swan Coastal Plain Survey - SURVEY RECORDING SHEET

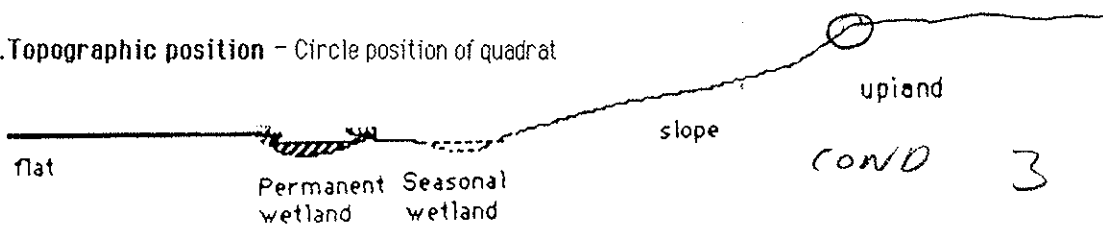
QUADRAT No. TALB 13 VEGETATION TYPE Marri/Wandoo Woodland
 DATE TRIP 18/9/91 BOTANIST BK GJK
 VOLUNTEERS _____

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
 MIDDLE RIVER to JURRIEN 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/spring

Litter (% cover) 70% Surface soil loam Sub-surface soil laterite granite
Mapped Soil (King Wells, 1990)

3. VEGETATION STRUCTURE AND COVER. Record appropriate cover class

Cover Class - percentage classes

over 70%	TREES: <u>Wandoo</u>		MALLEES		15m	
50-70%	LIFE FORM	<u>Mark</u> or 2-15m 5-15m 	<u>under 5m</u> 	MALLEE SHRUB less than 8m 	MALLEE TREE 8m or more 	10m
30-50%	COVER CLASS (%)	<u>2-15m</u> <u>5-15m 1-5%</u>				5m
20-30%	SHRUBS: <u>Hale tri</u>		SHRUBS		3m	
10-20%	LIFE FORM	<u>Hale tri</u> <u>over 2m</u> 	<u>2.0-1.5m</u> 	<u>1.5-1.0m</u> 	<u>1.0m-.5m</u> 	2m
2-10%	COVER CLASS (%)	<u>1-2%</u>				1m
0%	MAT PLANTS		BUNCH GRASSES	HERBS	SEDGES	2.0m
under 2%	LIFE FORM	<u>under 10cm</u> 	<u>under .5m</u> <u>Near</u> 	<u>under .5m</u> (except creepers) 	<u>over .5m</u> 	1.5m
under 2%	COVER CLASS (%)		<u>50%</u>	<u>2-10%</u>	<u>2-10%</u>	1.0m
0%	COVER CLASS (%)					.5m

Height (metres)

SPECIES PRESENCE

QUADRAT No.
TAB 13

- work systematically through the vegetation, start with the tallest or sturn, 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 JURIE SANDPLAIN
SURVEY. WILDFLOWER SOCIETY of WA

Trees		No	Fl	Mat Plants		Bunch Grasses		Herbs		Sedges	
<i>Eucalyptus wandoo</i>	✓	1		<i>Drosera erythrorhiza</i>	✓	No	Fl	<i>Burchardia umbellata</i>	✓	No	Fl
<i>Eucalyptus calophylla</i>	✓	2		* <i>Briza maxima</i>	✓	13		<i>Laxmania squarrosa</i>	✓	30	
				<i>Thysanotus pattersonii</i>	✓	14		<i>Lechenaultia biloba</i>	✓	31	
				<i>Xanthosia candida</i>	✓	15		<i>Lomandra spartea</i>	✓	32	
				<i>Opecularia vaginata</i>	✓	16		<i>Homaloscaladium homal.</i>	✓	33	
				<i>Melymitra ciliata</i>	✓	17		<i>Hydrocotyle pilulifera</i>	✓	34	
Mallees				<i>Cassia micrantha</i>	✓	18		<i>Tribonanthes brachypetala</i>	✓	35	
				<i>Trichocline spathulata</i>	✓	19		* <i>Hypochaeris glabra</i>	✓	36	
				<i>Eryngium pinnatifidum</i>	✓	20		* <i>Stylidium caryphyllaceus</i>	✓	37	
				<i>Coodenia caerulea</i>	✓	21		<i>Drosera macrantha</i>	✓	38	
				<i>Philotus stirlingii</i>	✓	22		<i>Cassityna pubescens</i>	✓	39	
								<i>Drosera menziesii</i>	✓	40	
SHRUBS								<i>Phrasophyllum sp</i>	✓	41	
<i>Hakea trifurcata</i>	✓	5						<i>Laxmania squarrosa</i>	✓	42	
<i>Hakea undulata</i>	✓	4						<i>Thysanotus thysoides</i>	✓	43	
<i>Hakea lissocarpa</i>	✓	5						<i>Chaenascilla vesicolor</i>	✓	44	
<i>Acacia pulchella</i> var. <i>glab.</i>	✓	6						<i>Dichopogon preissii</i>	✓	45	
<i>Nemcia spatulata</i>	✓	7						<i>Lagenaria huegelii</i>	✓	46	
<i>Leucopogon</i> ? <i>polymorphus</i>	✓	8						* <i>Romulea rosea</i>	✓	47	
<i>Melaleuca scabra</i>	✓	9						<i>Borya sphaerocephala</i>	✓	48	
<i>Pimelea imbricata</i>	✓	10						<i>Stylidium bulbiferum</i>	✓	49	
<i>Xanth. preissii</i>	✓	11									
				Bunch Grasses							
				<i>Neurachne alopecuroides</i>	✓	23		Sedges			
				<i>Stipa pycnostachya</i>	✓	24		<i>Cyathochaeta avenacea</i>	✓	50	
								<i>Loxocarya cinerea</i>	✓	51	
								<i>Lepidosperma tenue</i>	✓	52	
								<i>Lepidosperma angustatum</i>	✓	53	
								<i>Loxocarya fasciculata</i>	✓	54	
				Herbs							
				* <i>Vesperanthera falcata</i>	✓	25					
				* <i>Watsonia</i> sp	✓	26					
				<i>Stylidium brunonianum</i>	✓	27					
				<i>Panostylis caricina</i>	✓	28					

Run on 28-JUL-98 DEPARTMENT OF PLANNING AND URBAN DEVELOPMENT
APPLICATION DETAILS REPORT

FILE NUMBER [REDACTED] - (This File Is Currently Marked To Kieron Beardmore)

Status : APPROVED
Type : SUBDIVISION

Application Date : 21-AUG-96
Receipt Date : 28-AUG-96
Planning Officer : C Connor
Local Authority : Shire Of Swan

Applicant(s) : Chapman Glendinning & Associates P O Box 729
WEST PERTH WA 6005

Owner(s) : Homeswest 99 Plain Street EAST PERTH WA 6004

Sketch Date : 20-DEC-96 Grid : P51 47/68 CCD : 110101
Subject : To subdivide four lots to create 150 residential
lots ranging in size from 390m2 to 970m2, and two
areas of 1.295ha and 0.256ha for POS

Location : TALBOT ROAD, STRATTON
Purpose : RESIDENTIAL
LA Recommendation : Conditional approval
LA Zone Text : RESIDENTIAL DEVELOPMENT
LA Zone Code :
MRS Zone Text : ABUTS PARKS & RECREATION, URBAN
MRS Zone Code :

Land Description : Lots : - loc No : Swan Locations 12, 13a, 14a &
13 Diagram : 10873, 4333, 12444 & 199273 C/T :
1409/840, 1382/72, 1177/492, 1572/691, 1712/976,
1764/157 & 1663/444

Related Files : 96557
Decision : APPROVED- DAUT Date : 06-JAN-97
Allocate To Agenda : NOT ALLOCATED
Map Reference : PERTH 24.34
Carto Office Date :

CONSULTANTS

MINISTRY OF EDUCATION Area : STATE Ref : 4552/93V01; 4336/93V015
Date Sent : 30-AUG-96 Date Reply : 02-OCT-96

ALINTA GAS Area : STATE Ref : -
Date Sent : 30-AUG-96 Date Reply : 09-SEP-96

CMS GAS TRANSMISSION Area : STATE
Date Sent : 30-AUG-96 Date Reply :

WESTERN POWER Area : STATE Ref : -
Date Sent : 30-AUG-96 Date Reply : 23-SEP-96

TELSTRA Area : STATE Ref : DEV 6865-R
Date Sent : 30-AUG-96 Date Reply : 12-SEP-96

WATER & RIVERS COMMISSION Area : STATE Ref : 4974
Date Sent : 30-AUG-96 Date Reply : 14-OCT-96

WATER CORPORATION Area : STATE Ref : C89612
Date Sent : 30-AUG-96 Date Reply : 15-OCT-96

RELATED L.A.

Shire Of Swan Reference : -
Date Sent : 30-AUG-96 Date Reply : 28-NOV-96

COMMITTEE NOTES

NOTE TO COMMITTEE: ^C^^C^1.^I^The applicant has requested the Commission to rec

REPORT BODY

The Commission resolved to: ^C^^C^1.^I^Advise the applicant that it has conside

PRELIMINARY APPROVAL STATISTICS

Approval Date : 06-JAN-97 Original Lots : 4
Owner Type : HOMESWEST
Decision Type : DELEGATED AUTHORITY

Lot Size	Zone	Lots Produced
320 - 449 M2	RESIDENTIAL	
500 - 549 M2		2
550 - 599 M2		63
600 - 699 M2		6
2000 - 2999 M2		2
1 HA - 2 HA		1
sum	*****	75

FINAL APPROVAL STATISTICS

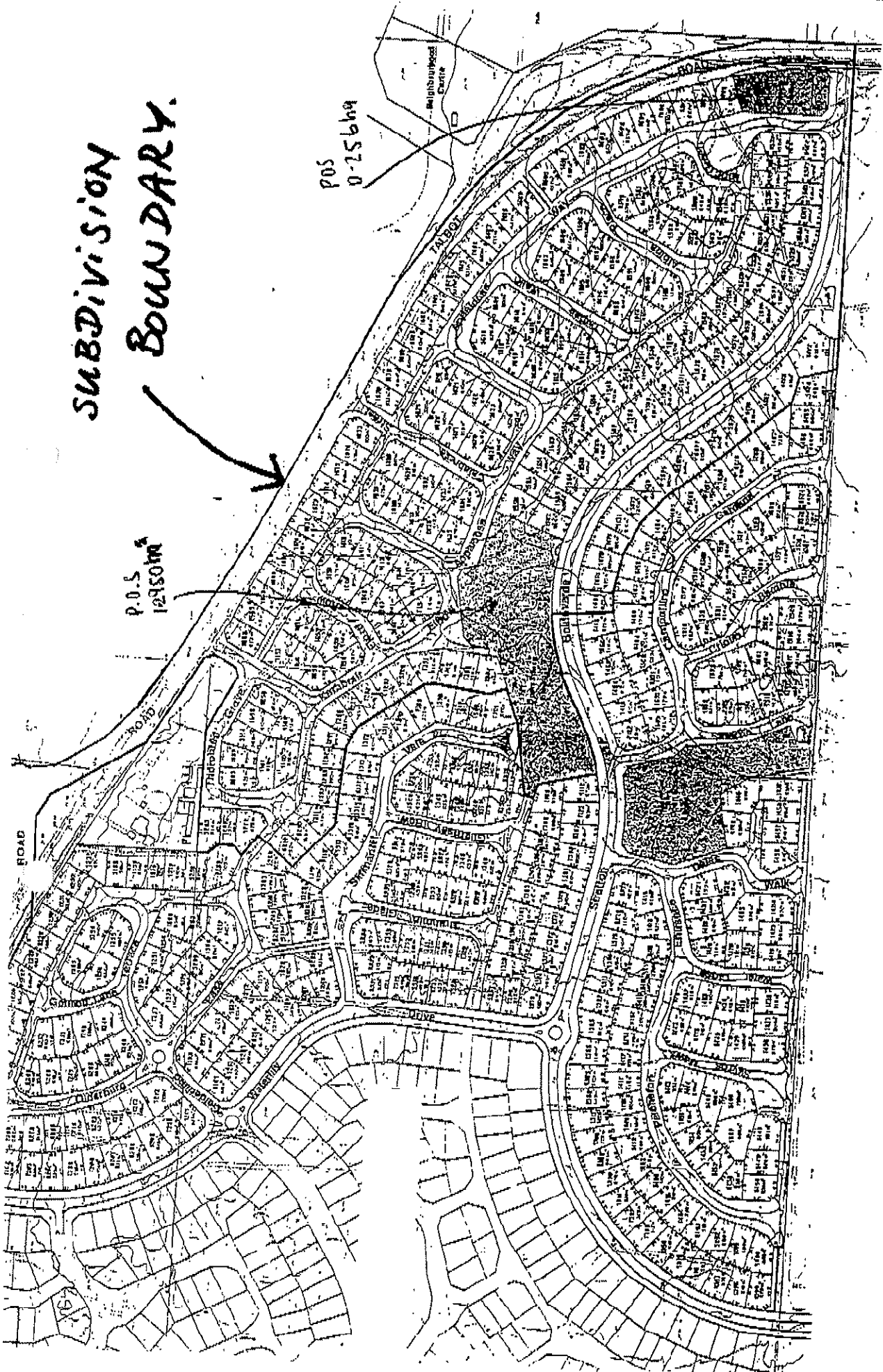
=== END OF REPORT ===

ATTACHMENT 1

**SUBDIVISION
BOUNDARY.**

P.O.S
12510m

P.O.S
0-256m



SUB-DIVISION APPROVAL

BJK 20/7

Is any of this being left under subdivision approval that could be added to what is the subdivision

DEP APPROVED WITH BY SUB-DIVISION UNDER P.M.

JA+NT 1/10

BLOCK OF POS IS NOT CONTIGUOUS WITH EXISTING SITE AREA. SMALL AREAS OF POS.

NO NOT A VALID APPLIC. GIVEN SUBDIVISION DESIGN

OK JA/NT 1/10

306

1998 Panairama reveals that it is only parkland cleared not good bush (unfortunately). JJA/NT 1/10.

Is this bushland? If so add?

NO - WHY NOT? BECAUSE IT ISN'T BUSH 12/8 OK

23/7
Line work done as is, need to check road reserve

BUSHPLAN SITES CORRECTED

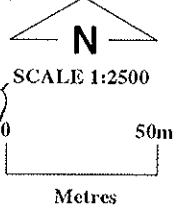
Subd: vision approval notes

BJK 20/7

BJK 8/98

Issues

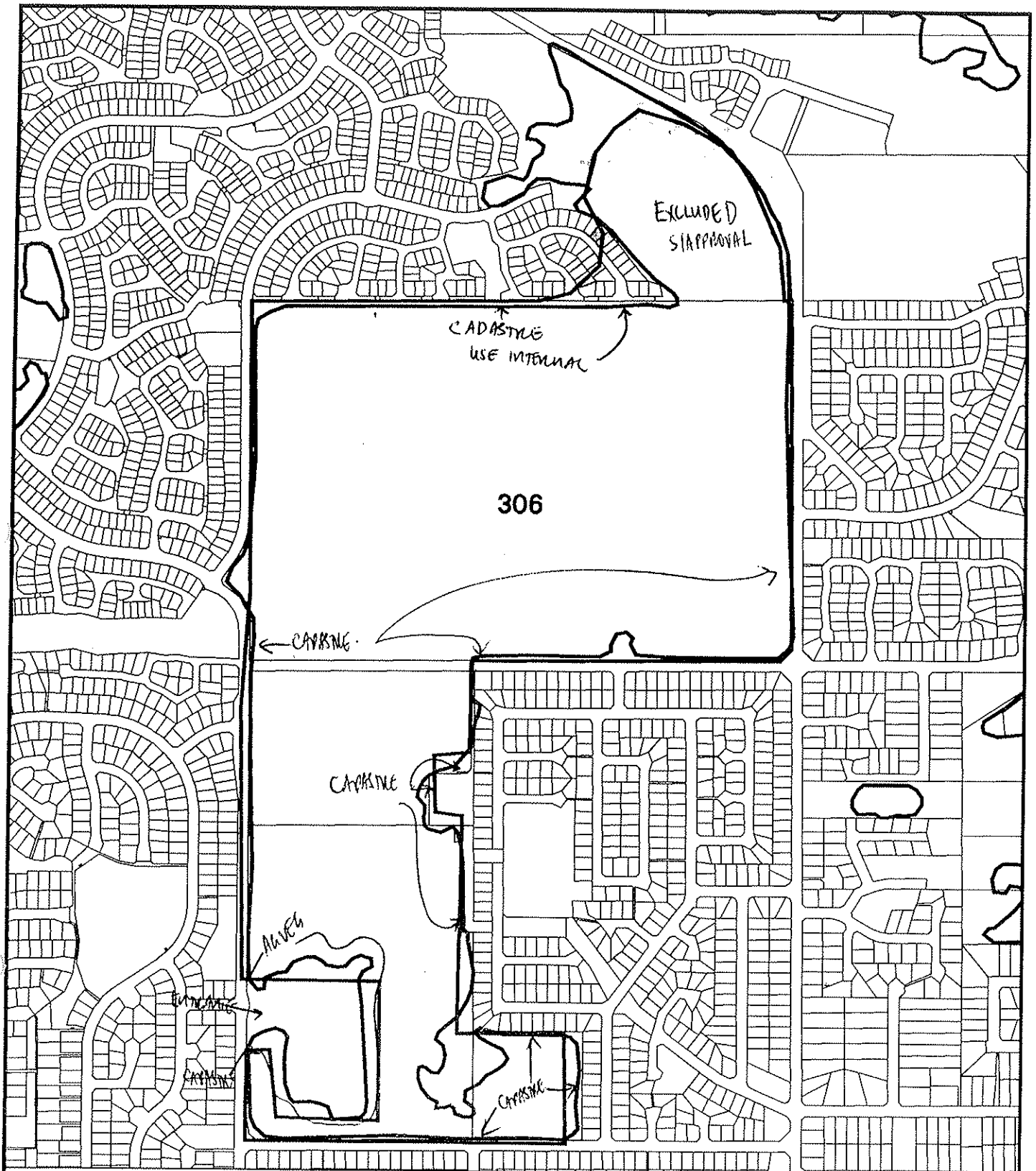
- bushland / veg mapping and additional ground
- section of






WESTERN AUSTRALIAN PLANNING COMMISSION



CUSTOMER FOCUS WESTERN AUSTRALIA



bp site 306

-  AG VEG 1998 BOUNDARY THEME
-  Cadastre
-  Bushplan sites refno 1-500 SCP BOUNDARY THEME

MFP INTERNAL USE ONLY

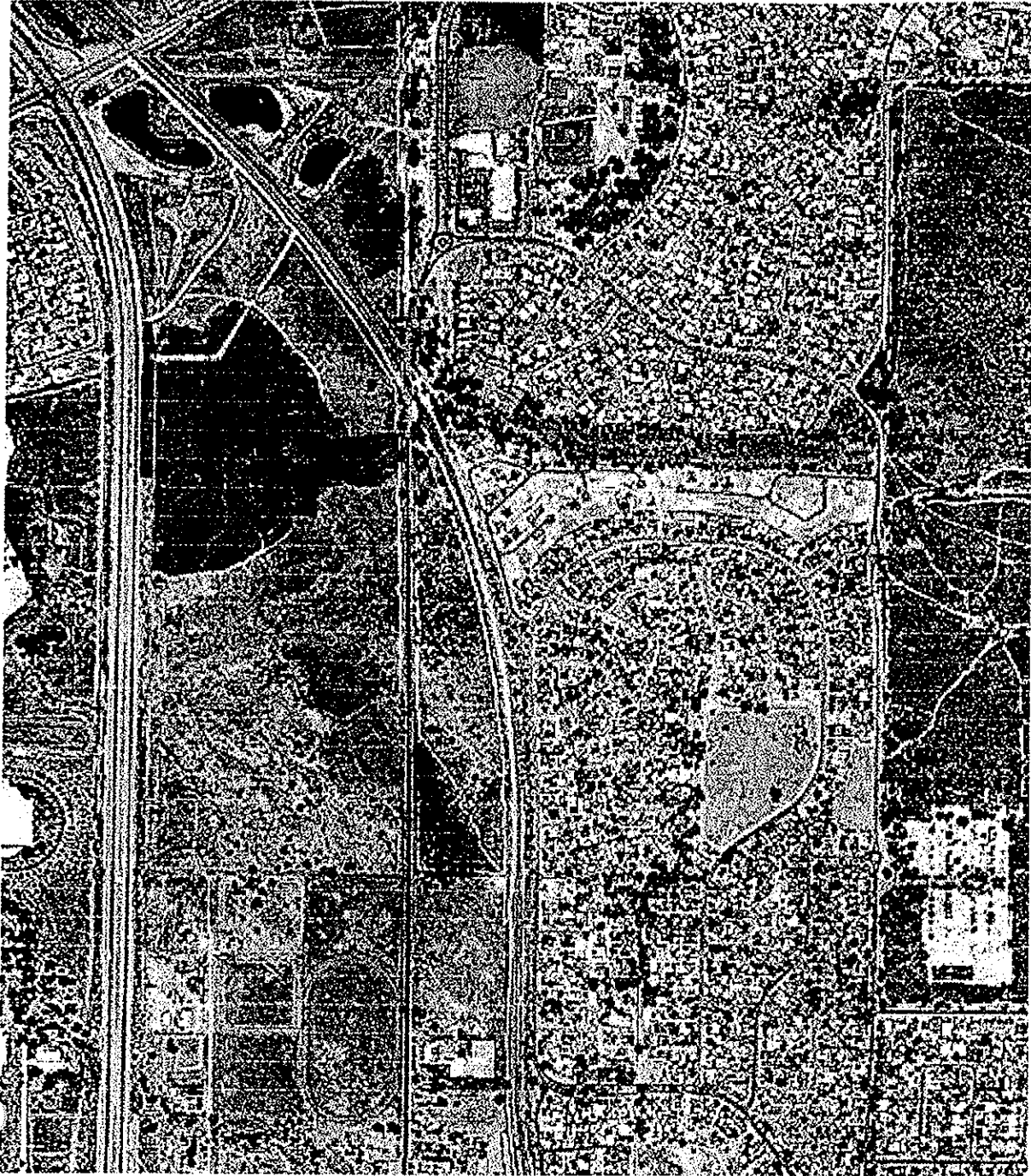
Prepared By: Andrea Zappacosta

Prepared For:

Map Ident: plot980528_1

Date: 28 May 98

Scale 1:10024



x125%
Panorama
1997

ISSUES

- Site 306 ? corridor to W looks like bushland (not mapped as veg by Ag WA)
- Site 309

b3k 20/7

F A C S I M I L E

To: Bronwen Keighery
Of: DEP
Facsimile: 9485 1187
Phone: 9222 7028
Pages: 3, including this cover sheet.
Date: July 28, 1998

Bronwen,

Attached is information regarding area north of Midland Cemetery Site. The area has an approved subdivision. I have also attached a copy of the subdivision plan which indicates the location and extent of the POS areas.

Regards,

Cliff



David M.

Copy of 65 306 part
subdivision approval as
discussed.

From the desk of...
Cliff Lloyd
ENVIRONMENTAL PLANNING BRANCH Ministry for Planning
Albert Facey House
469 Wellington Street Perth
Perth, WA 6000
(08) 9264 7575
Facsimile: (08) 9264 7566

PATN Analysis

Summary of most likely FCTs

The Cemetery sites tended to be more similar to each other than to the sites from the SCP dataset. This suggests some systematic differences. This could be due to nomenclature, sampling effort or just because they contain many weed species.

It has been very difficult to assign FCTs to some sites because the two methods of analysis were inconsistent. Table 1 shows the assignment of FCTs from the two methods and an attempt to provide a consistent FCT.

Table 1 interpretation of FCT for Cemetery sites

Consistent Answer

site	from nearest neighbours (Table 2)	from dendrogram (Table 3)	conclusion	Inferred FCT Bennett '02
G1	① 5	5	5	✓
G2	① 28 or 21a	21c		✓
G3	1 21a	21c		20a
G4	2 8 or 5	5	5	✓
G5	1 4 or 5	5	5	✓
G6	1 5	5	5	✓
G7	2-3 28 or 23a	21c		20a
G8	1-2 28 or 23a or 23b	21c		20a
G9	4 21c or 5	5	5	✓
G10	1-2 23a	21c		20a
G11	1 5	5	5	✓
G12	2-3 21a	21c	21	20a
M1	20c	20c	20c	✓
M2	20c or 28 or 3b	3c		20a
M3	3c or 3a	3c	3c	✓
M4	3c	3c	3c	✓
M5	20c	20c	20c	✓
P1	28 or 26b	6	w	28
P2	26b or 24	6	w	28
P3	28	28	28	✓
P4	28	28	28	Transitional
P5	28	28	28	✓
P6	24 or 29b	24 or 29b	29	✓
P7	30a or 24	6	w	Transitional
P8	24 or 29a	24 or 29b	29	29

w - very weedy sites, classification unsound

Table 2 10 nearest neighbours

(s1 to s10 are most similar to 10th most similar site)

(FCT s1 to FCT s10 are the FCTs of the sites)

Cem site	s1	FCT s1	si1	s2	FCT s2	si2	s3	FCT s3	si3	s4	FCT s4
G1	G6		0.4643	G9		0.5077	G5	G5	0.5319	G11	
G2	G3		0.4474	G12		0.5269	G9	G9	0.5733	G10	
G3	G2		0.4474	card7	21a	0.5897	G12		0.5955	G10	
G4	FL-7	8	0.6863	low09b	5	0.6923	PLINE-5	5	0.6957	ELLEN-1	8
G5	G1		0.5319	G6		0.6744	G9		0.6923	G11	

G6	G1		0.4643	G9		0.4754	G11		0.48	G10	
G7	G8		0.4773	G10		0.4831	G12		0.5098	BULL-11	28
G8	G10		0.4684	G7		0.4773	BULL-11	28	0.5052	G12	
G9	G6		0.4754	G1		0.5077	G11		0.5254	G2	
G10	YULE-2	23a	0.4433	WIRR-2	23a	0.4595	G8		0.4684	hurst03	28
G11	G6		0.48	G9		0.5254	G1		0.5926	MILT-1	5
G12	G10		0.4839	PAGA-4	21a	0.5094	G7		0.5098	WELL-2	21
M1	talb10	20c	0.5259	talb8	20c	0.5504	M5		0.5534	talb9	20
M2	M3		0.5824	talb6	20c	0.5955	SHENT-1	28	0.6047	card12	38
M3	M2		0.5824	talb12	3c	0.6333	M4		0.6383	BRIX-2	38
M4	talb12	3c	0.6071	M2		0.6145	talb13	3c	0.6211	M3	
M5	M1		0.5534	talb9	20c	0.5556	talb8	20c	0.6	talb10	20
P1	P2		0.5455	P8		0.625	WOODV-	28	0.6438	P5	
P2	P1		0.5455	SHE-6	26b	0.6981	P5		0.7037	NEER-1	24
P3	P5		0.4713	P4		0.5385	NEER-3	28	0.5484	NEER-6	28
P4	P3		0.5385	TRIG-4	28	0.5714	WOODV-	28	0.5789	P5	
P5	P3		0.4713	WOODV-1	28	0.5181	WOODV-	28	0.5294	NEER-2	28
P6	P8		0.5522	BOLD-1	24	0.6154	TRIG-1	29b	0.6491	MTB-2	24
P7	WOODP-2	30a	0.75	BOLD-1	24	0.7586	NAVB-4	24	0.7647	BOLD-3	24
P8	BOLD-3	24	0.5181	P6		0.5522	TRIG-2	29a	0.5667	NEER-1	24

Table 3 extracts from dendrogram

Field2	gp30a	Field4
M2		
M3		
M4		
PEARCE-2	3c	
talb4	3c	
talb1	3c	
talb12	3c	
talb13	3c	

Field2	gp30a	Field4
M1		
M5		
talb10	20c	
talb11	20c	
talb3	20c	
talb5	20c	
talb7	20c	
talb8	20c	
talb9	20c	
talb2	20c	
talb6	20c	
G10		
G8		
G7		
G12		
G2		
G3		
TWIN-7	21c	
TWIN-8	21c	
YULE-3	21c	

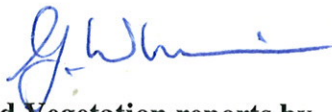
DEPARTMENT of ENVIRONMENTAL PROTECTION
Ecological Systems Branch – Terrestrial Section

Memorandum



ATTENTION: Sue Woolhouse/Kate Williams, Department of Planning
and Infrastructure

FROM: Bronwen Keighery

DATE: 26th November, 2001 

SUBJECT: **Comment on Draft Flora and Vegetation reports by
Bennett Environmental Consulting Pty Ltd**

As arranged at Friday's meeting (5th October) I commented directly to Dr Bennett. This was done by e-mail (13th October) rather than by telephone as originally discussed. The e-mail briefly addressed the broad issue of the identification of regionally significant bushland and the prioritisation of areas within the cemetery lands/Bush Forever Sites and several technical points. The broad issue is outlined in more detail below as well as the technical points and some additional points. These issues/points were raised in the e-mail or at the meeting.

In general the reports describe well the flora and vegetation of the areas being considered. The spring survey will add to this documentation. In addition it should be noted that the brief for these studies did not ask that the floristic community types (FCT's) after Gibson *et al* (1994) and DEP (1996) be determined but that the information collected be suitable for comparison and/or analysis against these data if required. At this stage comment is not made on the inferred FCT's as this should be related to the plot data which was incomplete (awaiting Spring sampling) at the time of producing the draft reports.

A series of other general issues related to the datasets and criteria for determination of regionally significant bushland used in Bush Forever were discussed at the meeting of 5th October. These are not further raised here as they are addressed in Bush Forever Volume 2 and the reports referenced in this Volume.

Identification of regionally significant bushland and the prioritisation of areas for protection within the cemetery lands in Bush Forever Sites

This issue was discussed at the meeting, where it was emphasized that the purpose of the reports was to address the prioritisation of bushland for protection within the cemetery land within the Bush Forever Site. Bush Forever has identified the regionally significant

bushland within the Sites and this does not need to be revisited. At times there was some confusion evident in the reports in relation to this, for example in the Pinnaroo Report Section 4.3. (p17-18) and section 4.7.1: Protection Value 1 and 2 (p22). This issue is relevant in all reports and some revision is required to ensure that the two are approached as separate issues.

If there is a need to consider regionally significant bushland this must be done in terms of the Bush Forever criteria, not those criteria used in the reports to prioritise areas.

Technical Issues:

Pinnaroo

- The Quindalup Vegetation complex is not mapped by Heddle *et al.* (1980) in the area (p3). This is most likely to be a function of the scale of the mapping as it is clearly present in the area.
- Work for the System 6 and Part System 1 Update has identified the FCT's described in Bush Forever Site 303, not Gibson *et al.* (p3). Three plots are located within the Cemetery. These plots identified FCT 28 and 29a in the area (DEP 1996). FCT 24 and 26b were recorded from the Hepburn Heights Bushland where limestone is closer to the surface.
- The vegetation condition descriptive phrases used in Bush Forever were developed through broad consultation with the community and were considered to best convey vegetation condition to the broader interested community (p5).
- Section 3.4 discusses 'Significant Flora' rather than 'Rare and Priority Flora'. Table 4 describes Significant Flora for the entire Bush Forever Site.
- Section 4.1.3 shows that the condition mapping in Keighery and Clarke (1999) and the mapping in this report is directly comparable, especially when the condition of the mapped units are compared rather than the plot condition scores with the unit condition scores.
- Section 4.2 is incorrectly titled as it does not discuss 'threatened ecological communities'.
- The use of remaining areas of floristic community types, these numbers are actually average species numbers per plot, we have not mapped the floristic community types so we cannot estimate percentages remaining (p17).
- Appendix A, p4 *Eremaea fimbriata* was corrected at the meeting.

Guildford

- The species listed for floristic community types 23a (p4) are incorrect as most of these are wetland taxa and are not indicative of FCT 23a
- The vegetation condition descriptive phrases used in Bush Forever were developed through broad consultation with the community and were considered to best convey vegetation condition to the broader interested community (p6).
- Section 3.4 discusses 'Significant Flora' rather than 'Rare and Priority Flora'
- The presence of FCT's should be described as inferred (that is inferred from the species present in the vegetation unit) or identified (that is determined from sampling and analysis from/against the Gibson *et al* data). Work for the System 6

and Part System 1 Update has identified a series of FCT's in the Perth Airport Bushland. FCT 3c was not identified in this sampling and analysis. FCT's 12, 5, 20b, 23a and 20b have been sampled in the area of the Guildford cemetery (DEP 1996).

- Section 4.3 refers to statements in regard to 'Reservation Status' and 'Conservation Status' from Gibson *et al.* in regard to regional significance. As discussed previously the criteria used in Bush Forever are appropriate for this determination. These determinations from Gibson *et al.* are not appropriate.

Midland

- The vegetation condition descriptive phrases used in Bush Forever were developed through broad consultation with the community and were considered to best convey vegetation condition to the broader interested community (p6).
- Section 3.4 discusses 'Significant Flora' rather than 'Rare and Priority Flora'. It should be noted that Bush Forever does not completely document the significant flora for the Bush Forever Site 306. Keighery and Keighery (1993) should be consulted for a more complete listing of the significant flora. For example *Dasypogon obliquifolius* is listed for the Site in this report and is known to occur in the cemetery land.

M2

→ look not, pink, P. Candace

Colln No	Species	Fl Colour	Ht (cm)	% Cover	Rare/1°	
M1-21	<i>Acacia pulchella</i> var. <i>pulchella</i>	yellow	40	2		
	<i>Acacia sessilis</i>	yellow	40	3		
	<i>Allocasuarina humilis</i>	yellow	90	1		
	<i>Angianthus manglesii</i>	red/green	30	3		
	<i>Austrodanthonia</i> sp.	green	60	<1		
	<i>Briza maxima</i>	green	10	<1		
	<i>Burchardia umbellata</i>	white	70	<1		
	<i>Caesia parviflora</i> = <i>Ca. micrantha</i>	grey	40	<1		
	<i>Calectasia cyanea</i>	blue	30	1		
	M2-1	<i>Conostylis aculeata</i> subsp. <i>aculeata</i>	yellow	40	5	
		<i>Cordifex sinuosus</i>	black	30	5	
		<i>Corymbia calophylla</i>		800	15	
		<i>Cyathotheca avenacea</i>	fawn	130	3	
<i>Daviesia decurrens</i>		orange-red	50	5		
<i>Desmodium fasciculatus</i>			15	5		
<i>Dryandra lindleyana</i>		yellow	40	5		
<i>Ehrharta calycina</i>		pink	10	2		
<i>Gladiolus caryophyllaceus</i>		pink	30	1		
M2-4		<i>Gompholobium aristatum</i>	yellow	25	2	
		<i>Gompholobium tomentosum</i>	yellow	45	1	
		<i>Haemodorum laxum</i>	brown	30	1	
		<i>Hakea prostrata</i>	cream	50	3	
	<i>Hesperantha falcata</i>	white/pink	40	5		
	<i>Hibbertia hypericoides</i>	yellow	50	5		
	<i>Hypochaeris glabra</i>	yellow	2	<1		
	<i>Hypolaena exsulca</i>	brown	45	2		
	<i>Jacksonia sternbergiana</i>	yellow	500	1		
	<i>Kingia australis</i>		30	<1		
	M2-3	<i>Laxmannia squarrosa</i>	white	15	1	
	M2-2	<i>Lepidosperma leptostachya</i>	brown	30	1	
		<i>Lepidosperma squamatum</i>	brown	70	2	
<i>Lomandra caespitosa</i>			15	1		
<i>Mesomelaena pseudostygia</i>		black	55	35		
<i>Mesomelaena tetragona</i>		black	55	2		
<i>Podolepis gracilis</i>		white	30	1		
<i>Prasophyllum</i> M2 collection		blue	10	<1		
<i>Romulea rosea</i>		pink	20	5		
<i>Sowerbaea laxiflora</i>		purple	45	<1		
<i>Tetragonia octandra</i>		black	50	15		
<i>Thysanotus manglesianus</i>		mauve	T	<1		
<i>Thysanotus sparteus</i>			60	<1		
<i>Ursinia anthemoides</i>		yellow	5	10		
<i>Xanthorrhoea brunonis</i> subsp. <i>brunonis</i>			120	3		
<i>Xanthorrhoea preissii</i>			150	30		

X. preissii 'leptosperma'

MIDLAND
M1

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Colln No	Species	Fl Colour	Ht (cm)	% Cover	Rare/1°
	<i>Acacia applanata</i>		20	1	
M1-5	<i>Acacia sessilis</i>	yellow	45	1	
	<i>Allocasuarina humilis</i>	brown	210	15	
	<i>Amphipogon turbinatus</i>	fawn	50	5	
	<i>Anigozanthos manglesii</i> subsp. <i>manglesii</i>	red/green	15	1	
	<i>Banksia menziesii</i>	pink	800	15	
	<i>Bossiaea eriocarpa</i>	brown/yellow	55	5	
	<i>Burchardia umbellata</i>	white	50	<1	
	<i>Caladenia</i> sp.		15	<1	
M1-13	<i>Calothmanus sanguineus</i>	red	50	10	
	<i>Chamaescilla corymbosa</i>	blue	5	3	
M1-12	<i>Chordifex sinuosus</i>	black	15	4	
	<i>Conospermum stoechadis</i> subsp. <i>sclerophyllum</i>	white	45	1	
M1-6	<i>Conostylis aurea</i>	yellow	30	5	
	<i>Conostylis setigera</i> subsp. <i>setigera</i>	yellow			
	<i>Cyathotheca avenacea</i> <i>cladostima</i> ?	brown	120	20	
	<i>Dasyopogon bromeliifolius</i>	cream	15	<1	
	<i>Dasyopogon obliquifolius</i>	cream	50	15	
	<i>Daviesia triflora</i>	yellow/orange	50	1	
	<i>Desmodium flexuosum</i>		10	10	
	<i>Drosera erythrorhiza</i>		T	3	
M1-9	<i>Drosera macrantha</i>	white	T	<1	
	<i>Drosera menziesii</i>	pink			
	<i>Dryandra lindleyana</i>	yellow	10	5	
M1-4	<i>Eremaea pauciflora</i>	orange	50	15	
	<i>Gladiolus caryophyllaceus</i>	pink	30	<1	
	<i>Glischrocaryon</i> sp.		30	<1	
	<i>Gompholobium confertum</i>		30	5	
	<i>Gompholobium tomentosum</i>	yellow	50	<1	
	<i>Haemodorum laxum</i>	brown	40	1	
	<i>Hakea prostrata</i>	white	30	1	
	<i>Hakea ruscifolia</i>	white	120	5	
	<i>Hesperantha falcata</i>	white			
	<i>Hibbertia huegelii</i>	yellow			
	<i>Hypolaena exsulca</i>	blown	50	1	
	<i>Isopogon drummondii</i>	yellow	70	3	P3
M1-7	<i>Jacksonia floribunda</i>		35	1	
M1-10	<i>Jacksonia restioides</i>	yellow/red	25	1	
	<i>Lechenaultia biloba</i>	blue	40	3	
	<i>Macarthuria australis</i>	white	30	<1	
	<i>Mesomelaena pseudostygia</i>	black	50	20	
	<i>Neurachne alopecuroidea</i>	grey			
	<i>Patersonia occidentalis</i>	purple	30	5	
	<i>Petrophile linearis</i>	pink	50	2	
	<i>Philothea spicata</i> = <i>EROST.</i>	pink	50	1	
	<i>Phyllangium paradoxum</i> = <i>MITRAEACME</i>	white			
	<i>Podolepis gracilis</i>	white			
	<i>Scaevola canescens</i>	white	10	5	
	<i>Scholtzia involucrata</i>		50	1	
M1-8	<i>Stenanthemum notiale</i> = <i>Ca. frillata</i> Raven	green/yellow	15	1	
	<i>Stirlingia latifolia</i>	yellow	50	1	
	<i>Stylidium brunonianum</i>	pink			
	<i>Stylidium piliferum</i>	cream			

see photo

Stylidium piliferum

Stylidium piliferum

M3

Colln No	Species	Fl Colour	Ht (cm)	% Cover	Rare/1°
	<i>Acacia pulchella</i> var. <i>pulchella</i>	yellow	110	3	
	<i>Amphipogon turbinatus</i>	fawn	20	2	
	<i>Angianthus manglesii</i>	red/green	20	<1	
M3-9	<i>Austrostipa</i> sp.		45	1	
	<i>Baeckea camphorosmae</i>		40	1	
M3-2	<i>Beaufortia purpurea</i>		60	2	
	<i>Blennospora drummondii</i>	gren	15	<1	
	<i>Boronia ramosa</i> subsp. <i>anethifolia</i>	blue	40	<1	
	<i>Briza maxima</i>	green	20	<1	
	<i>Caladenia</i> sp.		5	<1	
	<i>Chorizema dicksonii</i>	red/yellow	40	1	
M2-1	<i>Conostylis aculeata</i> subsp. <i>aculeata</i>	yellow	15	1	
	<i>Corymbia calophylla</i>		1000	10	
	<i>Desmocladius fasciculatus</i>		20	5	
	<i>Drosera erythrorhiza</i>		2	<1	
	<i>Ehrharta longiflora</i>	pink	5	1	
	<i>Eragrostis curvula</i>	green	70	1	
	<i>Freesia</i> hybrid	white	10	30	
M2-4	<i>Gompholobium aristatum</i>	yellow	70	30	
	<i>Gompholobium confertum</i>	yellow	20	5	
	<i>Gompholobium marginatum</i>	yellow	30	<1	
	<i>Haemodorum laxum</i>	brown	20	1	
	<i>Hakea lissocarpa</i>	white/pink	80	1	
	<i>Hakea trifurcata</i>	cream	120	10	
	<i>Hibbertia hypericoides</i>	yellow	40	2	
	<i>Hypocalymma angustifolium</i>	white	60	1	
	<i>Hypochaeris glabra</i>	yellow	35	2	
M3-7	<i>Johnsonia pubescens</i>	pink/white	20	<1	
	<i>Kennedia prostrata</i>	red	T	<1	
	<i>Lathyrus tingitamus</i>	purple	T	<1	
M3-3	<i>Laxmannia ramosa</i>	white	30	10	
M3-8	<i>Laxmannia squarrosa</i>	white	15	1	
M3-6	<i>Lepidosperma leptostachyum</i>	brown	30	5	
M3-5	<i>Leucopogon pulchellus</i>	white	45	<1	
	<i>Lomandra preissii</i>	white/purple	40	1	
	<i>Mesomelaena pseudostygia</i>	black	70	2	
	<i>Mesomelaena tetragona</i>	black	50	15	
	<i>Neurachne alopecuroides</i>	grey	10	15	
	<i>Oxalis purpurea</i>	pink	5	10	
	<i>Philothea spicata</i>	pink	110	1	
M3-4	<i>Pimelea imbricata</i>		45	1	
	<i>Podolepis gracilis</i>	white/pink	25	8	
	<i>Romulea rosea</i>	pink	40	2	
	<i>Stylidium brunonianum</i>	pink	5	<1	
	<i>Stylidium bulbiferum</i>	orange	5	<1	
	<i>Stylidium piliferum</i>	cream	5	<1	
M3-1	<i>Synaphea acutiloba</i>	yellow	30	10	P3
	<i>Templetonia biloba</i>	brown/yellow	30	<1	
	<i>Tetraparia octandra</i>	brown	30	10	
	<i>Thysanotus manglesianus</i>	purple	T	<1	
	<i>Thysanotus sparteus</i>		45	<1	
	<i>Trachymene pilosa</i>	white	30	5	
	<i>Xanthorrhoea preissii</i>		50	<1	

M4

Coila No	Species	Fl Colour	Ht (cm)	% Cover	Rare/1°
	<i>Acacia pulchella</i> var. <i>pulchella</i>	yellow	90	2	
	<i>Briza maxima</i>	green	10	10	
	<i>Calothamnus sanguineus</i>	red	40	8	
	<i>Chamaescilla corymbosa</i>	blue	5	8	
	<i>Corymbia calophylla</i>		1000	5	
	<i>Daviesia horrida</i>	yellow	55	1	
	<i>Pesmoctadus fasciculatus</i>		15	5	
M4-1	<i>Drosera macrantha</i>	white	T	<1	
	<i>Dryandra armata</i> var. <i>armata</i>	yellow	50	10	
	<i>Dryandra lindleyana</i>	yellow	30	10	
	<i>Eryngium pinnatifidum</i>	blue	30	<1	
	<i>Eucalyptus wandoo</i> subsp. <i>wandoo</i>		1200	40	
	<i>Gladiolus caryophyllaceus</i>	pink	15	2	
	<i>Hakea lissocarpha</i>	white/pink	70	15	
	<i>Hakea trifurcata</i>	cream	250	10	
	<i>Hesperanthea falcata</i>	white	45	5	
	<i>Hibbertia hypericoides</i>	yellow	45	2	
	<i>Hypocalymma angustifolium</i>	white	35	3	
	<i>Lagenifera huegelii</i>	white	5	<1	
	<i>Laxmannia ramosa</i>	white	25	10	
	<i>Lepidosperma leptostachyum</i>	brown	50	8	
	<i>Lepidosperma squamatum</i>	brown	55	2	
	<i>Lomandra caespitosa</i>		10	1	
	<i>Lomandra preissii</i>	cream, purple	45	2	
M4-3	<i>Loxocarya cinereum</i>	yellow	15	5	
	<i>Melaleuca parviceps</i>		45	<1	
	<i>Nemcia spathulata</i>	yellow/orange	55	2	
	<i>Neurachne alopecuroides</i>	grey	5	5	
	<i>Opercularia vaginata</i>	green	10	<1	
	<i>Phyllanthus calycinus</i>	cream	45	5	
M4-2	<i>Prasophyllum parvifolium</i>	green	25	<1	
	<i>Pterostylis vittata</i>		35	3	
	<i>Romulea rosea</i>	pink	15	5	
M4-4	<i>Sowerbaea laxiflora</i>	mauve	20	5	
	<i>Stylidium affine</i>	pink	20	1	
	<i>Stylidium brunonianum</i>	pink	5	5	
	<i>Tetralix octandra</i>	black	45	15	
	<i>Thelymitra</i> sp.		20	<1	
	<i>Thysanotus manglesianus</i>	mauve	T	<1	
	<i>Trichocline spathulata</i>		10	1	
	<i>Tricoryne elatior</i>	yellow	10	<1	
	<i>Xanthorrhoea preissii</i>		70	6	
	<i>Xanthosia candida</i>	green	30	5	

M 5

Colln No	Species	Fl Colour	Ht (cm)	% Cover	Rare/1°
	<i>Acacia appplanata</i>	yellow	25	<1	
	<i>Acacia huegelii</i>	cream	25	1	
	<i>Allocasuarina humilis</i>	brown and red	210	15	
	<i>Anigozanthos manglesii</i> subsp. <i>manglesii</i>	red/green	30	2	
	<i>Bossiaea eriocarpa</i>	yellow/brown	45	2	
	<i>Briza maxima</i>	green	10	20	
	<i>Calothamnus sanguineus</i>	red	30	2	
	<i>Calytrix flavescens</i>	pink	30	1	
	<i>Conostylis serrulata</i>	yellow	15	1	
	<i>Dasyopogon bromeliifolius</i>	white	20	1	
	<i>Dryandra lindleyana</i> subsp. <i>lindleyana</i>	yellow/pink	10	5	
	<i>Dryandra sessilis</i>	cream	300	5	
	<i>Ehrharta calycina</i>	pink	60	3	
	<i>Ehrharta longiflora</i>	green	10	20	
	<i>Eremaea pauciflora</i>	orange	60	3	
	<i>Eucalyptus marginata</i> (subsp. <i>thalassica</i>)	white	1800	40	
	<i>Gladiolus caryophyllaceus</i>	pink	10	2	
	<i>Gompholobium tomentosum</i>	yellow	25	1	
	<i>Haemodorum laxum</i>	brown	50	1	
	<i>Hakea ruscifolia</i>		210	3	
	<i>Hakea trifurcata</i>	cream	130	5	
	<i>Hybanthus calycinus</i>	purple	25	<1	
	<i>Hypolaena exsulca</i>	brown	45	40	
	<i>Kennedia prostrata</i>	red	5	<1	
	<i>Lomandra preissii</i>	cream/purple	45	<1	
	<i>Macrozamia riecklei</i>		60	1	
	<i>Mesomelaena pseudostygia</i>	black	70	10	
	<i>Neurachne alopecuroidea</i>	grey	35		
	<i>Nuyisia floribunda</i>		30	1	
	<i>Opercularia vaginata</i>	green	30	2	
	Orchid		5	<1	
	<i>Patersonia occidentalis</i>	blue	40	1	
	<i>Petrophile linearis</i>	pink	45	1	
	<i>Philothea spicata</i>	pink	90	2	
	<i>Podolepis gracilis</i>	white	35		
	<i>Pronaya fraseri</i> var. <i>fraseri</i>		100	2	
	<i>Scaevola canescens</i>	white	5	3	
	<i>Scaevola repens</i> var. <i>repens</i>	white	10	1	
	<i>Schoenus brevisetis</i>	brown	45	8	
	<i>Stirlingia latifolia</i>	orange	50	1	
	<i>Stylidium piliferum</i>	cream	5	<1	
	<i>Stylidium repens</i>	white	15	1	
	<i>Tetraria octandra</i>	brown/green	30	5	
	<i>Thysanotus manglesianus</i>	purple	35	1	
	<i>Ursinea anthemoides</i>	yellow	5	5	
	<i>Xanthorrhoea brunonis</i> subsp. <i>brunonis</i>		120	8	
	<i>Xanthorrhoea preissii</i>		210	10	

Not used here by Gibson et al.

GUILDFORD

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G1

Colln No	Species	Fl Colour	Ht (cm)	% Cover
	<i>Adenanthos cygnorum</i> subsp. <i>cygnorum</i>		120	<1
G01-4	<i>Cassutha flava</i>	yellow	T	<1
G01-2	<i>Cassutha racemosa</i>		T	20
	<i>Conostylis aculeata</i> subsp. <i>preissii</i>	yellow	40	<1
	<i>Dasyogon bromeliifolius</i>	green	30	1
	* <i>Ehrharta longiflora</i>	brown	5	<1
	* <i>Gladiolus caryophyllaceus</i>	pink	15	<1
	<i>Gompholobium tomentosum</i>	yellow	40	<1
G01-3	<i>Hakea sulcata</i>		90	3
	<i>Hydrocotyle callicarpa</i>		3	5
	* <i>Hypochaeris glabra</i>		2	5
	<i>Hypolaena exsulca</i>	brown	35	2
	<i>Kennedia prostrata</i>	red	5	<1
G01-5	<i>Laxmannia ramosa</i> subsp. <i>ramosa</i>	white	25	1
	<i>Lechenaultia floribunda</i>		15	1
	<i>Lyginia barbata</i>	brown	50	10
G01-1	<i>Melaleuca seriata</i> = M.S.P.B.		90	5
	* <i>Pentaschistis airoides</i>	green	15	<1
	<i>Pericalymma ellipticum</i> var. <i>ellipticum</i>	pink	110	75
	<i>Phlebocarya ciliata</i>	white	30	2
	<i>Podotheca angustifolia</i>	yellow	15	<1
	<i>Quinetia urvillei</i>	white	5	<1
	<i>Siloxerus humifusus</i>	white	3	1
	<i>Stylidium brunonis</i>	dark pink	35	1
	<i>Stylidium diuroides</i>	yellow	25	1
	<i>Thysanotus multiflorus</i>		35	<1
	<i>Trachymene pilosa</i>	white	5	<1
	* <i>Ursinia anthemoides</i>	yellow	5	<1
	<i>Verticordia densiflora</i>		60	15
	* <i>Vulpia myuros</i>	green	35	<1

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Colln No	Species	Fl Colour	Ht (cm)	% Cover
	<i>Acacia sessilis</i>	yellow	100	3
	* <i>Aira caryophyllea</i>	green	25	<1
	<i>Alexgeorgea nitens</i>	brown	25	40
	<i>Allocasuarina fraseriana</i>		600	20
	* <i>Anagallis arvensis</i> var. <i>arvensis</i>	blue	3	<1
	<i>Arthropodium preissii</i>		5	1
	* <i>Briza minor</i>	green	20	3
	<i>Burchardia umbellata</i>	white	15	<1
	<i>Caladenia discoidea</i>	green-yellow	30	<1
	<i>Caladenia longicauda</i> subsp. <i>longicauda</i>	white	45	<1
	<i>Centrolepis mutica</i>	green	15	<1
	<i>Chamaescilla corymbosa</i>	blue	5	<1
	<i>Conostylis serrulata</i>	yellow	15	1
	<i>Corymbia galophylla</i>		600	5
	<i>Dasyopogon bromeliifolius</i>	white-green	45	10
G02-2	<i>Desmocladius flexuosus</i>	brown	25	3
	<i>Drosera erythrorhiza</i>	white	P	<1
	* <i>Ehrharta longiflora</i>	reddish brown	5	<1
	* <i>Gladiolus caryophyllaceus</i>	pink	15	<1
	<i>Hibbertia huegelii</i>	yellow	50	2
	<i>Hibbertia hypericoides</i>	yellow	50	<1
G02-1	<i>Hibbertia racemosa</i>	yellow	40	<1
	<i>Hovea trisperma</i> var. <i>trisperma</i>	purple	50	<1
	* <i>Hypochaeris glabra</i>	yellow	2	15
	<i>Lepidosperma squamatum</i>	black	45	<1
	<i>Nemcia capitata</i>	yellow-orange	45	<1
	<i>Patersonia occidentalis</i>	purple	25	2
	<i>Petrophile linearis</i>	pink	30	3
	<i>Podotheca angustifolia</i>	yellow	10	4
	<i>Quinetia urvillei</i>	yellow	5	3
	* <i>Romulea rosea</i>	pink	20	<1
	<i>Schoenus curvifolius</i>	brown	40	<1
	<i>Schoenus nanus</i>	brown	15	<1
	<i>Siloxerus humifusus</i>	white	3	5
	* <i>Sonchus oleraceus</i>	yellow	2	<1
	<i>Stirlingia latifolia</i>		110	10
	<i>Trachymene pilosa</i>	white	15	3
	* <i>Ursinia anthemoides</i>	yellow	5	<1
	* <i>Vulpia myuros</i>	green	30	<1
	<i>Xanthorrhoea brunonis</i> subsp. <i>brunonis</i>		90	1
	<i>Xanthorrhoea preissii</i>		110	5

leave out, would have been recorded as *X. preissii* (immature)

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Coils No	Species	Fl Colour	Ht (cm)	% Cover
	<i>Acacia applanata</i>	yellow	35	2
	<i>Acacia sessilis</i>	yellow	50	5
	<i>Alexgeorgea nitens</i>	brown	15	2
	<i>Allocasuarina fraseriana</i>		300	<1
G03-3	<i>Astroloma pallidum</i>	white	5	<1
	<i>Caladenia discoidea</i>	yellow-green	45	<1
	<i>Caladenia flava</i>	yellow	20	<1
	<i>Conostylis serrulata</i>	yellow	20	<1
	<i>Corymbia calophylla</i>		1200	25
	<i>Dasyopogon bromeliifolius</i>	white	50	15
	<i>Desmocladius flexuosus</i>	yellow	25	<1
	<i>Hibbertia huegelii</i>	yellow	45	3
G02-1	<i>Hibbertia hypericoides</i>	yellow	50	2
G02-3	<i>Hibbertia racemosa</i>	yellow	45	5
G03-1	<i>Hibbertia rhadinopoda</i>	yellow	15	<1
	<i>Hovea trisperma</i> var. <i>trisperma</i>	purple/cream	45	2
	<i>Hydrocotyle callicarpa</i>	green	5	<1
	<i>Kennedia prostrata</i>	red	5	<1
	<i>Lepidosperma squamatum</i>	black	40	2
	<i>Lomandra preissii</i>	purple/cream	40	<1
	<i>Lyginia barbata</i>	brown	40	1
	<i>Mesomelaena tetragona</i>	black	80	15
	<i>Nemcia capitata</i>	yellow-orange	70	2
	<i>Nuytsia floribunda</i>		500	1
	<i>Patersonia occidentalis</i>	purple	50	<1
	<i>Petrophile linearis</i>	pink	70	3
	<i>Phlebocarya ciliata</i>	white	45	<1
	<i>Schoenus curvifolius</i>	brown	50	1
	<i>Scholtzia involucrata</i>		30	1
	<i>Senecio ? quadridentatus</i>		45	<1
	<i>Stirlingia latifolia</i>		50	1
	<i>Thysanotus manglesianus</i>	purple	t	<1
	<i>Trachymene pilosa</i>	white	15	1
	<i>Tricoryne elatior</i>	yellow	55	10
	<i>Xanthorrhoea brunonis</i> subsp. <i>brunonis</i>		70	35
	<i>Xanthorrhoea preissii</i>		90	5

G4

Melaleuca sp. ? rhiphiophylla Not
 listed (on your sheet) most likely *Sarcoc*
be dominant

Colln No	Species	Fl Colour	Ht (cm)	% Cover
	* <i>Aira caryophyllea</i>	green	15	2
	* <i>Briza maxima</i>	green	15	<1
	* <i>Briza minor</i>	green	25	<1
	<i>Caladenia paludosa</i>	reddish yellow	25	<1
G04-1	<i>Calothamnus lateralis</i>	red	110	35
G04-5	<i>Centrolepis aristata</i>	green	5	<1
	<i>Centrolepis polygyna</i>	red	10	<1
G04-6	<i>Conostylis festucacea</i> subsp. <i>festucacea</i>	yellow	15	<1
	<i>Crassula decumbens</i> var. <i>decumbens</i>	white	5	1
	<i>Drosera glanduligera</i>	orange	1	<1
	<i>Hakea varia</i>	white	140	<1
	* <i>Hypochaeris glabra</i>	yellow	5	5
	<i>Juncus capitatus</i>	green	15	<1
	<i>Lepidosperma squamanum</i>	black	40	<1
G04-2	<u><i>Meeboldina roycei</i></u>	brown	120	40
	<i>Melaleuca lateritia</i>		300	40
G04-7	<i>Pericalymma ellipticum</i> var. <i>ellipticum</i>	white/pink	115	5
	<i>Quinetia urvillei</i>	red	5	2
G04-4	<i>Senecio quadridentatus</i>	yellow	120	5
	<i>Trachymene pilosa</i>	white	2	<1
	<i>Verticordia densiflora</i>		90	5
G04-3	<i>Villarsia capitata</i>	yellow	2	<1

Mel. rhip
 OR
 Mel. vinn



Quadrat G4

G5

Colln No	Species	Fl Colour	Ht (cm)	% Cover
	<i>Cassytha flava</i>		T	5
	<i>Cassytha racemosa</i>		T	1
	<i>Conostylis aculeata</i> subsp. <i>preissii</i>	yellow	35	<1
	<i>Conostylis aurea</i>	yellow	10	<1
	<i>Drosera glanduligera</i>	orange	5	<1
G05-1	<i>Eutaxia virgata</i>	yellow/orange	110	<1
	<i>Hakea varia</i>	white	180	35
	<i>Homaloscidium hamalocarpum</i>	black	5	<1
	<i>Hydrocotyle callicarpa</i>	green	5	<1
	<i>Lyginia barbata</i>	black	50	5
	<i>Melaleuca seriata</i>		70	5
	<i>Pericalymma ellipticum</i> var. <i>ellipticum</i>	pink/white	70	15
	<i>Siloxerus humifusus</i>	white	3	1
	<i>Stylidium brunonianum</i>	bright pink	50	<1
	* <i>Ursinia anthemoides</i>	yellow	25	<1
	<i>Verticordia densiflora</i>		50	70
	<i>Wahlenbergia preissii</i>	white	20	<1



Quadrat G5

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Colln No	Species	Fl Colour	Ht (cm)	% Cover
	<i>Adenanthos cygnorum</i> subsp. <i>cygnorum</i>		150	1
	* <i>Aira caryophylla</i>	Straw	15	<1
	<i>Caladenia flava</i>	Yellow	25	<1
	<i>Cassytha racemosa</i>		T	<1
	<i>Chamaescilla corymbosa</i> var. <i>corymbosa</i>	Blue	5	<1
	<i>Conostylis aurea</i>	Yellow	15	<1
	<i>Dasypogon bromeliifolius</i>	White	50	1
	* <i>Ehrharta calycina</i>	Pink	70	<1
	<i>Eucalyptus todtiana</i>		100	1
	<i>Euchilopsis linearis</i>	Yellow	40	3
	* <i>Hypochaeris glabra</i>	Yellow	5	<1
	<i>Hypolaena exsulca</i>	Brown	50	3
G01-1	<i>Laxmannia ramosa</i> subsp. <i>ramosa</i>	White	10	<1
G06-1	<i>Lyginia barbata</i>	Black/brown	60	3
	<i>Melaleuca preissiana</i>		1400	8
	<i>Melaleuca seriata</i>		40	3
	<i>Patersonia juncea</i>	Blue	35	<1
	<i>Pericalymma ellipticum</i> var. <i>ellipticum</i>	Pink/white	120	25
	<i>Phlebocarya ciliata</i>	White	30	3
	<i>Quinetia urvillea</i>	Mauve	10	<1
	<i>Stirlingia latifolia</i>	Yellow	130	5
	<i>Thysanotus manglesiatus</i>	Mauve	T	<1
	<i>Trachymene pilosa</i>	White	5	<1
	* <i>Ursinia anthemoides</i>	Yellow	5	<1
	<i>Verticordia densiflora</i>		70	40
	* <i>Vulpia myuros</i>		25	<1

Intro big form
 P. occidentalis (Sudanya Form)

G 7

V. H. H. H. H. H.

Colln No	Species	Fl Colour	Ht (cm)	% Cover
	<i>Acacia pulchella</i> var. <i>glaberrima</i>	Yellow	145	5
	<i>Adenanthos cygnorum</i> subsp. <i>cygnorum</i>		120	1
	<i>Alexgeorgea niens</i>		5	8
	<i>Anigozanthos humilis</i>	Red	25	1
	<i>Arthropodium preissii</i>		5	<1
	<i>Austrostipa compressa</i>	Yellow	35	2
	<i>Baeckea camphorosmae</i>		45	8
	<i>Banksia attenuata</i>		50	1
	<i>Banksia menziesii</i>		120	<1
	<i>Bossiaea eriocarpa</i>	Brown/yellow	35	4
	<i>Burchardia umbellata</i>	White	15	<1
	<i>Centrolepis mutica</i>	Green/red	15	<1
G07-3	<i>Chordifex sinuosus</i>	Brown	25	15
	<i>Conostephium pendulum</i>	White/pink	45	1
G07-1	<i>Conostylis serrulata</i>	Yellow	15	<1
	<i>Dasypogon bromeliifolius</i>	Cream	45	1
	<i>Daviesia triflora</i>	Yellow/orange	50	2
	<i>Diuris corymbosa</i>	Yellow/brown	45	<1
	<i>Drosera erythrorhiza</i>		5	5
	<i>Drosera pallida</i>	White	T	<1
	* <i>Ehrharta calycina</i>	Pink	40	<1
	<i>Eucalyptus marginata</i> subsp. <i>elegantella</i>	Cream	1000	15
	<i>Hyalosperma cotula</i>	White	20	30
	* <i>Gladiolus caryophyllaceus</i>	Pink	10	<1
	<i>Gompholobium tomentosum</i>	Yellow	50	3
G07-4	<i>Haemodorum laxum</i>	Brown	30	<1
	<i>Haemodorum spicatum</i>	Black	75	<1
	<i>Hibbertia hypericoides</i>	Yellow	50	1
	<i>Hybanthus calycinus</i>	Violet	45	1
	* <i>Hypochaeris glabra</i>	Yellow	20	<1
	<i>Jacksonia floribunda</i>		110	2
	<i>Lepidosperma leptostachyum</i>	Brown	60	2
	<i>Lepidosperma squamatum</i>	Brown	45	1
G07-2	<i>Leucopogon conostephioides</i>	White	35	2
	<i>Lomandra preissii</i>	Crean	55	<1
	<i>Mesomelaena pseudostygia</i>	Black	45	1
	<i>Mesomelaena tetragona</i>	Black	60	<1
	<i>Patersonia occidentalis</i>	Purple	50	2
	<i>Petrophile linearis</i>	Pink	50	1
	<i>Podotheca angustifolia</i>	Yellow	15	3
	<i>Stylidium brunonianum</i>	Pink	5	<1
	<i>Stylidium repens</i>	White	15	<1
	<i>Tetraria octandra</i>	Black	40	<1
	<i>Thelymitra pauciflora</i>	Blue	50	<1
	<i>Thysanotus manglesii</i>	Purple	T	<1
	<i>Trachymene pilosa</i>	White	20	5
	* <i>Ursinia anthemoides</i>	Yellow	5	1

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Colln No	Species	Fl Colour	Ht (cm)	% Cover
	<i>Acacia sessilis</i>	Yellow	35	<1
	<i>Alexgeorgea nitens</i>		20	30
	<i>Allocauarina fraseriana</i>	Rusty brown	1200	35
	<i>Amphipogon turbinatus</i>	Grey	40	1
	* <i>Anagallis arvensis</i> var. <i>arvensis</i>	Blue	5	1
	<i>Anigozanthos humilis</i>	Red	20	1
	<i>Anigozanthos manglesii</i> subsp. <i>manglesii</i>	Red/green	10	<1
	<i>Banksia attenuata</i>		110	1
	<i>Banksia grandis</i>		1200	5
	<i>Banksia menziesii</i>		120	1
	<i>Burchardia umbellata</i>	White	15	<1
	<i>Conostephium pendulum</i>	White/purple	50	1
	<i>Conostylis aurea</i>	Yellow	25	<1
	<i>Conostylis setigera</i> subsp. <i>setigera</i>	Yellow	15	3
G08-1	<i>Daviesia decurrens</i>	Orange-red	50	8
	<i>Daviesia triflora</i>	Yellow/orange	40	1
	<i>Desmocladius fasciculatus</i>		20	30
	<i>Desmocladius flexuosus</i>	Brown	30	15
	<i>Drosera erythrorhiza</i>		2	<1
	<i>Drosera pallida</i>	White	T	<1
	* <i>Gladiolus caryophyllaceus</i>	Pink	15	<1
	<i>Haemodorum laxum</i>	Brown	10	<1
	<i>Hibbertia hypericoides</i>	Yellow	45	20
	<i>Hyalosperma cotula</i>	White	15	5
	* <i>Hypochaeris glabra</i>	Yellow	5	2
	<i>Jacksonia floribunda</i>		110	2
	<i>Laxmannia ramosa</i> subsp. <i>ramosa</i>	White	20	1
	<i>Lyginia barbata</i>	Black	60	1
	<i>Mesomelaena pseudostygia</i>	Black	50	1
	<i>Patersonia occidentalis</i>	Purple	40	2
	<i>Petrophile linearis</i>	Pink	50	2
	<i>Phlebocarya ciliata</i>	Cream	30	2
	<i>Podotheca angustifolia</i>	Yellow	5	<1
	<i>Pterochaeta paniculata</i>	White/yellow	5	<1
	<i>Schoenus clandestinus</i>	Brown	5	<1
	<i>Scholtzia involucrata</i>		35	<1
	<i>Stylidium brunonis</i>	Pink	45	<1
	<i>Thysanotus patersonii</i>	Purple	T	<1
	<i>Trachymene pilosa</i>	White	10	1
	* <i>Ursinia anthemoides</i>	Yellow	40	5

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Colln No	Species	Fl Colour	Ht (cm)	% Cover
	* <i>Aira caryophyllea</i>	Fawn	15	<1
	* <i>Anagallis arvensis</i> var. <i>arvensis</i>	Blue	25	<1
	* <i>Briza minor</i>		20	1
	<i>Caladenia flava</i>	Yellow	25	<1
	<i>Caladenia longicauda</i> subsp. <i>longicauda</i>	White	45	<1
	<i>Calandrinia corrigioloides</i>	White	5	<1
	<i>Calandrinia granulifera</i>	White	5	<1
	<i>Cassitha flava</i>	Green	T	<1
	<i>Conostylis aurea</i>	Yellow	30	10
	<i>Conostylis serrulata</i>	Yellow	30	<1
	<i>Dasypogon bromeliifolius</i>	White	50	7
	<i>Daviesia decurrens</i>	Orange	45	1
	* <i>Ehrharta calycina</i>	Pink	70	2
	* <i>Eragrostis curvula</i>	Green	110	5
	* <i>Gladiolus caryophyllaceus</i>	Pink	20	1
	<i>Gompholobium tomentosum</i>	Yellow	70	1
	<i>Hyalosperma cotula</i>	White	20	<1
	* <i>Hypochaeris glabra</i>	Yellow	2	3
	<i>Hypolaena exsulca</i>	Brown	50	3
	<i>Jacksonia sternbergiana</i>	Yellow	400	80
	<i>Lepidosperma squamatum</i>	Brown	50	2
	<i>Lyginia barbata</i>	Black/brown	70	30
	<i>Melaleuca preissiana</i>		1000	3
	<i>Melaleuca seriata</i>		90	30
	<i>Mesomelaena tetragona</i>	Black	90	5
	<i>Pericalymma ellipticum</i> var. <i>ellipticum</i>	White/pink	90	30
	<i>Phlebocarya ciliata</i>	Cream	50	10
	<i>Podotheca angustifolia</i>	Yellow	20	<1
	<i>Siloxerus humifusus</i>	White	5	<1
	* <i>Sonchus oleraceus</i>	Yellow	50	<1
	<i>Trachymene pilosa</i>	White	20	5
	* <i>Ursinia anthemoides</i>	Yellow	35	<1
	<i>Verticordia densiflora</i>		100	50
	* <i>Vulpia myuros</i>	Green	25	5
	<i>Xanthorrhoea brunonis</i> subsp. <i>brunonis</i>		70	2
	<i>Xanthorrhoea preissii</i>		90	5

Sp B

9/10

Colln No	Species	Fl Colour	Ht (cm)	% Cover
	<i>Acacia pulchella</i> var. <i>glabra</i>	Yellow	80	2
	<i>Acacia sessilis</i>	Yellow	70	1
	* <i>Aira caryophylla</i>	Fawn	5	2
	<i>Alexgeorgea nitens</i>		10	30
	<i>Allocasuarina humilis</i>	Reddish brown	170	5
	<i>Amphipogon turbinatus</i>	Gawn	40	1
	<i>Austrostipa compressa</i>	Yellow	25	2
	<i>Banksia menziesii</i>		170	2
	<i>Bossiaea eriocarpa</i>	Brown/yellow	45	2
	* <i>Briza maxima</i>	Green	30	1
	<i>Burchardia umbellata</i>	White	45	<1
	<i>Caladenia flava</i>	Yellow	30	<1
	<i>Calytrix flavescens</i>		50	5
	<i>Conostephium pendulum</i>	White/pink	20	1
	<i>Conostylis serrulata</i>	Yellow	30	<1
	<i>Dampiera linearis</i>	Purple	30	<1
	<i>Dasyogon bromeliifolius</i>	White	50	2
	<i>Daviesia triflora</i>	Yellow/orange	90	2
	<i>Desmocladus flexuosus</i>	Brown	30	10
	<i>Drosera erythrorhiza</i>		2	<1
	* <i>Ehrharia calycina</i>	Pink	45	3
	<i>Eucalyptus todtiana</i>		1000	15
	* <i>Gladiolus caryophyllaceus</i>	Pink	15	<1
	<i>Gompholobium tomentosum</i>	Yellow	40	1
	<i>Hibbertia hypericoides</i>	Yellow	60	10
	* <i>Hypochaeris glabra</i>	Yellow	5	<1
	<i>Jacksonia floribunda</i>		150	15
	<i>Laxmannia ramosa</i> subsp. <i>ramosa</i>	White	15	<1
	<i>Lyginia barbata</i>	Black/brown	60	5
	<i>Neurachne alopecuroidea</i>	Grey	45	<1
	<i>Patersonia occidentalis</i>	Purple	40	5
	<i>Petrophile linearis</i>	Pink	30	1
	<i>Phlebocarya ciliata</i>	White	30	2
	<i>Pterostylis vittata</i>	Green	15	<1
	<i>Stirlingia latifolia</i>	Orange	170	10
	<i>Thysanotus manglesianus</i>	Mauve	T	<1
	<i>Trachymene pilosa</i>	White	15	15
	* <i>Ursinia anihemoides</i>	Yellow	45	2
	* <i>Vulpia bromoides</i>	Green	30	2

G4

Colln No	Species	Fl Colour	Ht (cm)	% Cover
	<i>Acacia saligna</i>		300	2
	<i>Adenanthos cygnorum</i> subsp. <i>cygnorum</i>		250	2
	* <i>Aira caryophyllea</i>		10	<1
	<i>Banksia littoralis</i>		900	5
	<i>Cassytha racemosa</i>	T		1
	* <i>Ehrharta calycina</i>		70	2
	<i>Euchilopsis linearis</i>		25	15
	* <i>Gladiolus caryophyllaceus</i>		20	1
	<i>Hibbertia stellaris</i>		40	<1
	* <i>Hypochaeris glabra</i>		5	<1
	<i>Hypolaena exsulca</i>		55	12
	<i>Lepidosperma squamatum</i>		35	1
	<i>Lyginia imberbis</i>		50	15
	<i>Melaleuca preissiana</i>		500	10
	<i>Melaleuca seriata</i>		45	8
	<i>Pericalymma ellipticum</i> var. <i>ellipticum</i>		120	50
	<i>Pterostylis sanguinea</i>		15	<1
	<i>Pterostylis vittata</i>		10	<1
	<i>Siloxerus humifusus</i>		5	<1
	* <i>Solanum nigrum</i>		4	<1
	* <i>Sonchus oleraceus</i>		5	<1
	<i>Trachymene pilosa</i>		10	<1
	* <i>Ursinia anthemoides</i>		5	<1
	<i>Verticordia densiflora</i>		110	45

L. angust
 Squamatum
 has some sep
 in Gibson's.
 Not used
 in Gibson
 et al.



Quadrat G11

G12

Coln No	Species	Fl Colour	Ht (cm)	% Cover
	<i>Acacia sessilis</i>	Yellow	50	5
	* <i>Aira caryophyllea</i>	Fawn	30	<1
	<i>Allocasuarina fraseriana</i>	Rust/red	600	5
	<i>Arthropodium preissii</i>		5	<1
	<i>Astroloma pallidum</i>	White	5	1
	<i>Banksia attenuata</i>		1100	5
	<i>Banksia menziesii</i>		950	2
	<i>Bossiaea eriocarpa</i>	Brown/yellow	50	25
	* <i>Briza maxima</i>	Green	45	1
	<i>Burchardia umbellata</i>	White		<1
	<i>Caladenia discoidea</i>	Yellow/brown	45	<1
	<i>Chamaescilla corymbosa</i>	Blue	40	<1
	<i>Conostephium pendulum</i>	White/pink	55	5
	<i>Conostylis serrulata</i>	Yellow	30	<1
	<i>Dampiera linearis</i>	Purple	20	<1
	<i>Dasypogon bromeliifolius</i>	White	45	25
	<i>Dayiesia triflora</i>	Yellow/orange	50	1
2-1	<i>Desmocladius flexuosus</i>		50	2
	<i>Drosera erythrorhiza</i>		2	1
	<i>Drosera menziesii</i>	Pink	7	<1
	<i>Drosera pallida</i>	White	1	<1
	<i>Drosera stolonifera</i>		15	<1
	<i>Eucalyptus marginata</i> subsp. <i>elegantella</i>	Cream	1000	12
	<i>Gompholobium tomentosum</i>	Yellow	45	1
	<i>Haemodorum laxum</i>	Brown	35	1
	<i>Hibbertia hypericoides</i>	Yellow	50	20
	<i>Hibbertia racemosa</i>	Yellow	25	<1
	<i>Hovea trisperma</i> var. <i>trisperma</i>	Purple	50	1
	* <i>Hypochaeris glabra</i>	Yellow	2	1
	<i>Jacksonia floribunda</i>		170	2
	<i>Kennedia prostrata</i>	Red	7	<1
-5	<i>Laxmannia ramosa</i> subsp. <i>ramosa</i>	White	50	1.5
2-2	<i>Lepidosperma angustatum</i>	Black	45	1
	<i>Mesomelaena pseudostygia</i>	Black	45	5
	<i>Nemcia capitata</i>	Yellow	50	<1
	<i>Patersonia juncea</i>		45	1
	<i>Petrophile linearis</i>	Pink	45	2
	<i>Pityrodia bartlingii</i>		25	<1
	<i>Podolepis gracilis</i>	White	30	<1
	<i>Podotrochea angustifolia</i>	Yellow	15	1
	<i>Pronaya fraseri</i>		T	<1
	<i>Pterostylis vittata</i>	Green	15	<1
	<i>Stirlingia latifolia</i>	Orange	70	5
	<i>Stylidium brunonianum</i>	Pink	45	2
	<i>Stylidium piliferum</i>	Yellow	25	<1
	<i>Stylidium schoenoides</i>	Cream	25	<1

Colln No	Species	Fl Colour	Ht (cm)	% Cover
	<i>Synaphea spinulosa</i> subsp. <i>spinulosa</i>	Yellow	50	1
	<i>Tenaria octandra</i>	Black/brown	50	5
	<i>Thysanotus manglesianus</i>	Mauve	T	<1
	<i>Trachymene pilosa</i>	White	5	3
	<i>Wahlenbergia preissii</i>	Pale blue	45	<1
	<i>Xanthorrhoea brunonis</i> subsp. <i>brunonis</i>		70	1



Quadrat G12

SITE P1

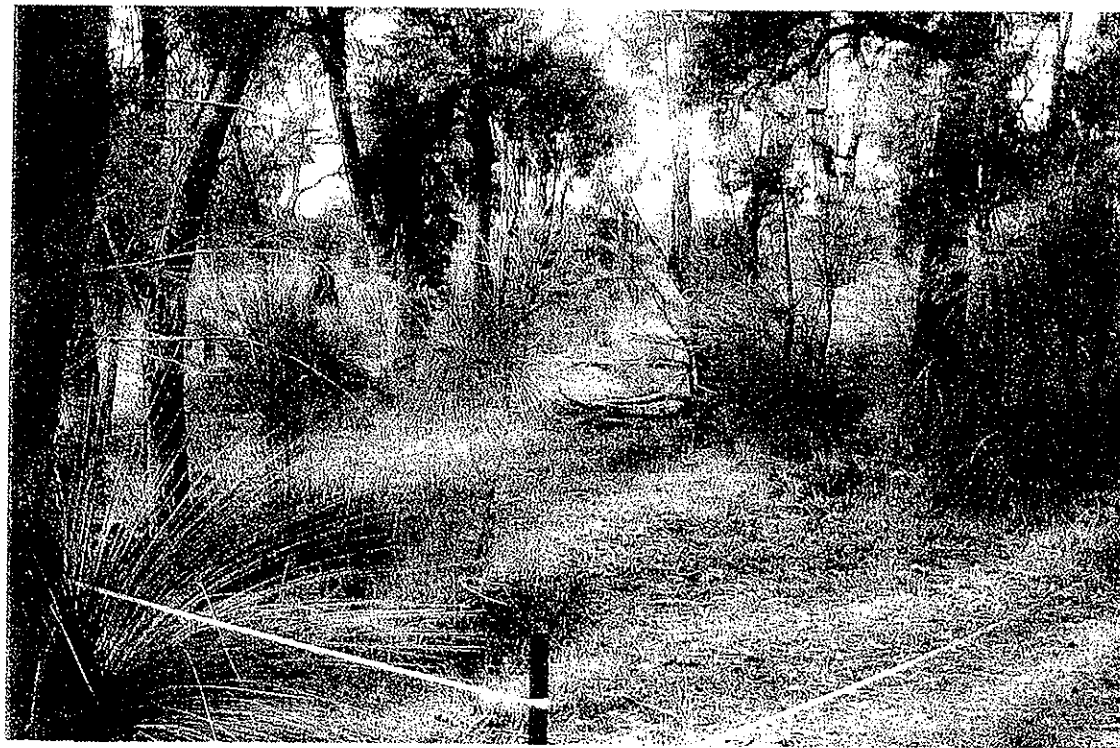
Colln No	Taxon	Fl Colour	Ht (cm)	% Cover (1)	% Cover (2)
P1-7	<i>Acacia cyclops</i>		20	<1	<1
	<i>Acacia saligna</i>	Bright yellow	300	5	5
	<i>Acanthocarpus preissii</i>	Pale yellow	100	15	15
	* <i>Anagallis arvensis</i> var. <i>arvensis</i>	Blue	15		<1
	<i>Banksia attenuata</i>		600	5	5
	* <i>Brassica tournefortii</i>	Yellow	45		<1
	* <i>Carpobrotus edulis</i>	Wellow-pink	10	20	20
	<i>Desmodium flexuosus</i>	Brown	15	<1	<1
	<i>Drosera pallida</i>	White	T	<1	<1
	* <i>Ehrharta longiflora</i>	Green	30		1
	<i>Eucalyptus gomphocephala</i>		2000	35	35
	* <i>Euphorbia terracina</i>	Yellow	70	15	45
	<i>Hakea lissocarpa</i>		150	40	40
	* <i>Heliophila pusilla</i>	White	20		4
	<i>Hibbertia hypericoides</i>	Yellow	35	5	5
P1-1	* <i>Lachenalia reflexa</i>	Yellow	15	15	15
	<i>Lechenaultia linarioides</i>	Yellow/red	35	<1	<1
	* <i>Lupinus consentinii</i>		5	2	0
	* <i>Medicago polymorpha</i>	Yellow	3	10	10
	* <i>Melilotus indica</i>	Yellow	30		2
P1-2	* <i>Homeria flaccida</i>	Orange	30	15	30
P1-4	<i>Pelargonium littorale</i>		10	1	1
	* <i>Petrorhagia velutina</i>	Pink	15		2
	<i>Pimelea leucantha</i>	White	70	3	3
	<i>Rhagodia baccata</i> subsp. <i>baccata</i>	white	100	5	5
	<i>Ricinocarpus glaucus</i>	White	40		1
	* <i>Romulea rosea</i>	Pink	20		1
	* <i>Solanum nigrum</i>	White	5	<1	<1
	* <i>Sonchus oleraceus</i>		25		<1
	<i>Xanthorrhoea preissii</i>		90	8	8

12th September 2001 Survey - Lower storey cover 100% weeds

SITE P2

Colln No	Taxon	Fl Colour	Ht (cm)	% Cover(1)	% Cover (2)
	<i>Acacia cyclops</i>		40	<1	<1
	<i>Allocasuarina fraseriana</i>		1100	10	10
	<i>Desmodium flexuosus</i>	Brown	15		1
	* <i>Ehrharia longiflora</i>	Green	15	40	10
	<i>Eucalyptus gomphocephala</i>		1000	25	25
	* <i>Euphorbia terracina</i>	Yellow	70	3	5
P1-2	* <i>Homeria flaccida</i>	Orange	30	10	10
P1-1	* <i>Lachenalia reflexa</i>	Yellow	15	20	40
	<i>Macrozamia riedlei</i>		15		<1
	<i>Nuytsia floribunda</i>		1000	20	20
	* <i>Peperomia velutina</i>	Pink	15		1
	<i>Rhagodia baccata</i> subsp. <i>baccata</i>	White/red berry	60	1	1
	* <i>Trifolium campestre</i>	Yellow	20		5
	* <i>Ursinia anthemoides</i>	Yellow	25	<1	1
	<i>Xanthorrhoea preissii</i>		120	2	2

12th September 2001 Survey – Quadrat had been heavily grazed



Quadrat P2

SITE P3

Colln No	Taxon	Fl Colour	Ht (cm)	% Cover(1)	% Cover (2)
P1-7	<i>Acacia cyclops</i>		40	<1	<1
	* <i>Aira caryophyllea</i>	Straw	15		2
	<i>Astroloma pallidum</i>	White	10	1	1
	<i>Austrodanthonia occidentalis</i>		50	1	1
	<i>Banksia attenuata</i>		600	<1	2
	<i>Banksia grandis</i>		350	0.5	0.5
	* <i>Briza maxima</i>	Green	40	1	8
	<i>Caladenia flava</i>	Yellow	2	<1	20
	<i>Caladenia latifolia</i>		8	<1	<1
	<i>Conostylis candicans</i>	Yellow	15	<1	0
P3-4	* <i>Coryza bonariensis</i>	Straw	30	<1	<1
	<i>Daucus glochidiatus</i>	Green	2	<1	4
	<i>Desmocladius flexuosus</i>	Brown	20	25	25
	<i>Drosera erythrorhiza</i>		5	15	10
	<i>Drosera sp.</i>		10	<1	<1
	* <i>Ehrharta calycina</i>	Green	20	<1	<1
	* <i>Ehrharta longiflora</i>	Green	15	1	<1
	<i>Elythranthera brunonis</i>		20	<1	<1
	<i>Eryngium rostratum</i>		25		<1
	<i>Eucalyptus marginata</i> subsp. <i>marginata</i>		1000	45	45
	<i>Gompholobium tomentosum</i>	Yellow	35		<1
	<i>Hakea lissocarpa</i>	White	40	<1	<1
	<i>Hardenbergia comptoniana</i>	Purple	T	1	1
	* <i>Heliophila pusilla</i>	White	15		<1
	<i>Hibbertia cuneiformis</i>	Yellow	150	1	1
	<i>Hibbertia hypericoides</i>	Yellow	20	1	1
	<i>Hibbertia racemosa</i>	Yellow	20	<1	<1
	<i>Hovea trisperma</i> var. <i>trisperma</i>	Purple	20	8	8
	<i>Kennedia prostrata</i>	Red	5	<1	<1
	<i>Lagenophora huegelii</i>		2	<1	<1
P3-1	<i>Lepidosperma leptostachyum</i>	Black	50	5	5
	<i>Lomandra caespitosa</i>	Yellow	20	<1	<1
	<i>Lomandra preissii</i>	Cream	40	<1	<1
	<i>Mesomelaena pseudostygia</i>	Black	70	20	20
P1-2	* <i>Homeria flaccida</i>	Orange	50	<1	<1
	<i>Petrophile macrostachya</i>		40	<1	<1
	* <i>Petrorhagia velutina</i>	Pink	20		<1
	<i>Pterostylis vittata</i>	Green	10	<1	<1
	<i>Pyrorchis nigricans</i>		2	<1	<1
	<i>Ricinocarpus glaucus</i>	White	25	<1	<1
	* <i>Romulea rosea</i>	Pink	15		1
	<i>Schoenus clandestinus</i>		2	<1	<1
	<i>Sowerbaea laxiflora</i>	Purple	20		5
P3-3	<i>Stenanthemum notiale</i> subsp. <i>chamelum</i>	Yellow	20	<1	<1
	<i>Thysanotus manglianus</i>	Mauve	T	<1	<1
	* <i>Trifolium campestre</i>	Yellow	5	1	1
	* <i>Vulpia bromoides</i>	Green	15		1
	<i>Xanthorrhoea preissii</i>		140	15	15

Cryptandra tridentata

SITE P4

Colln No	Taxon	Fl Colour	Ht (cm)	% Cover (1)	% Cover (2)
	<i>Banksia attenuata</i>		800	30	30
	<i>Banksia prionotes</i>		800	30	30
	* <i>Briza maxima</i>	Green	50	1	1
	<i>Caesia micrantha</i>		50		1
	<i>Caladenia flava</i>	Yellow	15		<1
	<i>Caladenia latifolia</i>	Pink	20		<1
	<i>Conostylis aculeata</i> subsp. <i>bracteata</i>		20		<1
	<i>Daviesia divaricata</i>	Yellow/red	50		<1
	<i>Desmocladius flexuosus</i>	Brown	15	8	8
	<i>Drosera erythrorhiza</i>		3	2	2
	* <i>Ehrharta calycina</i>	Green	40	5	1
	<i>Eucalyptus gomphocephala</i>		1800	15	15
	* <i>Freesia hybrid</i>		20	1	10
	* <i>Gladiolus caryophyllaceus</i>		15	<1	<1
	<i>Gompholobium tomentosum</i>	Yellow	70	5	5
	<i>Haemodorum laxum</i>		15	<1	<1
	<i>Hakea lissocarpa</i>	White	40	2	2
	<i>Hakea trifurcata</i>		80	<1	<1
	* <i>Homeria flaccida</i>	Orange	50		<1
	<i>Hovea trisperma</i> var. <i>trisperma</i>	Purple	50	1	1
	<i>Lepidosperma leptostachyum</i>	Brown	70	5	5
	<i>Lomandra preissii</i>	Cream	50	2	2
	<i>Mesomelaena pseudostygia</i>	Black	70	30	30
	* <i>Pelargonium capitatum</i>		30		<1
	<i>Petrophile macrostachya</i>		50	<1	<1
	<i>Scaevola canescens</i>	White	10	1	1
	<i>Sowerbaea laxiflora</i>	Purple	40		2
	<i>Stirlingia latifolia</i>	Orange	30	<1	<1
	<i>Tetragia octandra</i>		45	2	1
	<i>Thysanotus manglesianus</i>	Purple	T	<1	<1
	<i>Tricoryne elatior</i>		90	<1	<1
	<i>Xanthorrhoea preissii</i>		150	10	10

P6

Colln No	Taxon	Fl Colour	Ht (cm)	% Cover (1)	% Cover (2)
	<i>Acacia lasiocarpa</i>	Yellow	40	5	5
	<i>Acanthocarpus preissii</i>	Cream	70	20	20
	<i>Anthocercis littorea</i>	Yellow	120	<1	<1
	* <i>Arctotheca calendula</i>	Yellow	5	<1	<1
P6-5	<i>Austrostipa</i> sp.		120	<1	<1
P6-7	* <i>Brassica tournfortii</i>	White	5	5	5
	* <i>Bromus diandrus</i>	Green	25		10
	<i>Calandrinia linifolia</i>	Pink	5		3
P6-1	<i>Cassya flava</i>		T	1	1
	<i>Conostylis candicans</i>	Bright yellow	25	5	5
P6-3	<i>Conostylis juncea</i>		25	5	5
	* <i>Cotula turbinata</i>	White	10		<1
	<i>Crassula glomerata</i>	White	2		<1
	<i>Desmocladius flexuosus</i>	Brown	15	1	1
	* <i>Dischisma arenarium</i>	Green/brown	10		<1
	* <i>Erodium botrys</i>	White	5		1
	<i>Gompholobium tomentosum</i>	Yellow	40	2	2
	<i>Hibbertia subvaginata</i>	Yellow	70	<1	<1
	* <i>Lagurus ovatus</i>	White/green	25	10	1
	* <i>Lolium rigidum</i>	Green	40		1
P6-2	<i>Lomandra suaveolens</i>	Yellow	20	1	1
	<i>Melaleuca systema</i> = <i>M. rosea</i>	Cream	70	40	40
	<i>Opercularia vaginata</i>	Green	50	<1	<1
	* <i>Pelargonium capitatum</i>	Pink	5	2	2
	* <i>Petrorhagia velutina</i>	Pink	5	2	2
	* <i>Romulea rosea</i>	Pink	25	8	15
	<i>Santalum acuminatum</i>		100	4	4
	<i>Schoenus grandiflorus</i>	Brown	50	1	1
	* <i>Sonchus oleraceus</i>	Yellow	20		<1
P6-4	<i>Thysanotus arbuscula</i>		25	<1	<1
	* <i>Trachyandra divaricata</i>	White	20	<1	<1
	<i>Trachymene pilosa</i>	White	10		2

12th September 2001 Survey. Heavily grazed

? *Taraxacum*



QUOTE DOCUMENT

CONTRACT No. SP??-2001

For

Flora & Wetland Surveys for Midland, Guildford and Pinnaroo Cemeteries

BUSH FOREVER IMPLEMENTATION PROGRAM

Enquiries:

Project Management: Suzanne Woolhouse, Project Manager (9264-7713)

Use Of Ministry GIS: Mr. Harvey Tipping (9264-7828)

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Perth, WA 6000
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May 2000

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Section 1

CONSULTANCY BRIEF FOR

FLORA & WETLAND SURVEYS FOR MIDLAND, GUILDFORD AND PINNAROO CEMETERIES

1. BACKGROUND

1.1 Purpose

The purpose of this document is to provide the basis for the preparation of quote documents for a consultancy to prepare detailed vegetation assessments for Midland, Guildford and Pinnaroo Cemeteries to assist Bush Forever and the Metropolitan Regional Cemeteries Taskforce to achieve a balanced outcome between the need to protect areas of high conservation value while accommodating cemetery requirements.

1.2 Background

Midland, Guildford and Pinnaroo Cemeteries have been identified in Bush Forever (Bush Forever Sites 306, 386 and 303) as areas containing regionally significant vegetation and in the case of Guildford a conservation category wetland.

The Metropolitan Cemeteries as the landowners have also expressed a desire to maximise the development potential of each site and an interest in continued private management of the bushland and wetland areas.

Bushplan also recognises the need to secure reasonable outcomes representing a balance between the need to protect areas of high conservation value while accommodating cemetery requirements.

The site implementation recommendation for Bush Forever with regard to these sites is Bush Forever Practice Note 19 – Cemeteries. (Attachment 1)

1.3 Study Area

The study area as each site is as follows:

- Midland Cemetery (undeveloped vegetated portion) as per Figure 1.
- Guildford Cemetery (undeveloped vegetated portion) as per Figure 2.
- Pinnaroo Cemetery (undeveloped vegetated portion) as per Figure 3.

2. PROJECT OBJECTIVE

The Objectives of this consultancy are to provide detailed independent floristic advice to allow the Bush Forever and Metropolitan Cemeteries Working Group define final Bush Forever Site boundaries for each Cemetery, taking into account vegetation and wetland conservation issues and the future development needs of the Metropolitan Cemeteries Board.

3. PROJECT TASKS

In order to achieve the Project Objectives it is anticipated that the following tasks, which are not necessarily listed in the order which they should be addressed, may need to be undertaken.

- (1) To undertake site investigations and to undertake detailed vegetation communities survey and vegetation condition assessment survey for each site.
- (2) A regional assessment to determine the significance of the vegetation and wetland area in accordance with the regional significant criteria developed in Bush Forever (Attachment 2 "*Regionally Significant Criteria*" and "*Guide to the Site Description*") and in accordance with Attachment 3 "*Site Boundary Survey*").
- (3) To undertake a follow up detailed floristic survey in Spring to identify and map any Threatened Ecologically Communities and Declared Rare Flora (using the criteria established by CALM); *Priority Areas and Significant Flora*
- (4) Assess the impact of Commonwealth Biodiversity Legislation upon each site; and
- (5) Identify of ~~any~~ vegetation management issues that will need to be addressed in subsequent cemetery master planning for each site.

3.1 Site Access

The areas to be investigated are crown reserves vested in the Metropolitan Cemeteries Board. The Board has agreed to full access to all three sites to conduct the required surveys.

4. EXPECTED REPORTS

The consultant will be required to produce various reports and papers as set-out below by the times shown and in the quantities/formats shown at Annex A. All reports are to be reviewed and agreed by the Project Manager, with a 15 working day provision, from receipt of the report. The required reports are:

Inception Report

This Report is to set-out the basic parameters for running the project and is to include, but is not limited to those items listed below. The Inception Report should be viewed as the project's principal guide and reference and thus should be a complete and stand alone document which all parties can continually refer to for:-

- X relevant extracts, as they relate to the work program, from the tender;
- X detailed time line;
- X contact details;
- X bullet point outline of material to be contained in each of the Reports noted below; and
- X any changes proposed to be made to the tender submission.

Draft Report

All preliminary findings from the project tasks are to be presented in the form of a Draft Report which will be prepared following consultations with the Project Manager. The report should be A4 in size and consist of 3 bound and one unbound typed copies. Maps and figures are to be prepared at appropriate scales and reduced to either A4 or A3 format for the report. One copy of the Draft Report will be provided in electronic format.

Final Report

A Final Report shall be prepared covering all of the project tasks and shall include an Executive Summary and Recommendations. The Final Report shall include maps at appropriate scales which clearly portray the location of vegetation communities, vegetation condition rating, Threatened Ecological Communities and Declared Rare Flora, together with important cadastral information and other features necessary to identify the locations. These maps are to be reduced to A4 or A3 format for the Final Report. The Final Report should consist of 3 bound and one unbound typed copies. One copy of the Final Report will be provided in electronic format.

All material to be produced in Microsoft Word in Times New Roman 12 point font, be single spaced, paginated and each paragraph numbered. All hard copy is to be bound with covers, printed single sided (unless agreed otherwise) and be capable of understanding without any additional letter of explanation. Where an electronic format is required this must be suitable for desk top publishing and transfer by email. GIS data to be provided in Micro Station or other agreed format. For information on this matter see the attachment to this brief AFor Publication, Project Mapping and Display Mapping Standards.≡

5. PROJECT MANAGEMENT

Project management will consist of a Project Manager with the role and functions defined below.

Project Manager

This is a full time officer from the Ministry for Planning, acting on behalf of the Western Australian Planning Commission, whose role is to deal with administrative matters, daily problems and be the initial point of contact when guidance or advice is sought, responsible for providing overall direction, resolving technical and project issues, liaison with other government agencies and studies that have an interest in this work, confirming that the various reports produced are satisfactory and that payments can be made.

6. ANTICIPATED TIMETABLE AND EXPERIENCE REQUIRED

The consultancy is expected to commence in May 2001 or on an earlier date if agreed between the consultant and Project Manager. The draft report is expected for presentation 4 weeks after the completion of the vegetation surveys. All work up to and including submission of the final report is to be completed within six (6) months of starting work and the Contract itself closed within 7 months of starting work.

It is anticipated that the consultancy will provide a Team Leader who has a solid experience in botanical surveys, vegetation condition assessment, the identification of Threatened Ecological Communities and an understanding of the Commonwealth Biodiversity Legislation.

7. CONDITIONS OF CONTRACT AND PAYMENT FOR SERVICES

Draft Conditions of Contract for this consultancy are given at Section 2.

8. CONDITIONS OF QUOTE

Conditions of Quotation are given at Section 3, Form of Tender at Section 4 and the Price Schedule at Section 5.

9. SERVICES AND FACILITIES OFFERED BY THE MINISTRY & OTHERS

The Ministry for Planning has extensive spatial information on its GRAPE Geographical Information System which can be made available to the study, in digital form or hard copy, at no cost. This includes satellite imagery of the Esperance subregion. Orthorectified Digital Colour aerial photography coverage is also available for the survey sites for each of the last three years. The data sets held by the Ministry for Planning are also available for the consultants use in the completion of this project.

Annex A

Reporting Schedule

Reporting Schedule

Name of Report	Weeks From Start Date	No. of Hard Copies		Electronic Format?
		Bound	Unbound	
Inception Report	4	3	1	No
Draft Report	12	3	1	Yes
Final Report	24	3	1	Yes

Notes:

Annex B

Ministry for Planning Standards for Publication, Project Mapping and Display Mapping by Consultants

Where is the reserve?

Talbot Road Nature Reserve is located in the suburbs of Stratton and Swan View within the City of Swan. The reserve is bordered by Talbot Road, Stratton Boulevard, O'Connor Road and Blanchard Road and includes Crown Reserves vested in the City of Swan and the Metropolitan Cemeteries Board.

Why is the reserve important?

Perth's bushland and wetlands provide habitats for a profusion of bright and colourful wildflowers, diverse bird life, fleeting lizards and shy marsupials. Many of the plants that come together to create these habitats are unique to the Swan Coastal Plain and the Darling Range.

The Talbot Road Nature Reserve has been recognised by the State Government as Regionally Significant Bushland that should be retained and protected under the Bush Forever strategy, which aims to protect the array of plants and animals in our region.

Aboriginal significance

Nyoongar people believe that people, the land and the spirits are one. Part of their tradition says that children are spirits before they are born, and that they have a permanent link to the place where their spirits used to dwell. Their spirits will return there when they die.

The area surrounding Talbot Road Reserve contains many archaeological sites as well as burial sites. Blackadder Creek, which runs through the Talbot Road Nature Reserve, is an important spiritual dreaming place for the Nyoongar people. Its connection with the Swan River is of very high cultural significance. It is the home of the Green Bullfrog Dreaming Track, and of the Dreaming Track of the Ancestors, with the nearby Jane Brook being the home of the Sacred Turtles. Stories have been passed down by the Old People and were told around campfires in the times when Aboriginal people lived in the area. Recognition of the meaning of Talbot Road Nature Reserve and the surrounding areas is important.

The management plan

A management plan for Talbot Road Nature Reserve was prepared by CALM, the City of Swan and the Friends of Talbot Road Bushland and released in July 1999. The plan recommends that Talbot Road Nature Reserve be managed to conserve its very high nature conservation values and to protect the significant Aboriginal heritage values. The vision for the reserve is that it remains a haven for native plants and animals and for members of the community.

Our reserve – our responsibility

Talbot Road Nature Reserve is an example of high quality bushland and is the only remaining publicly-owned bushland of its type in Perth. Conservation of this site is extremely important if we want to protect our native plants and animals. With understanding and support from the community, the values of this bushland can be preserved for the enjoyment of future generations.

Friends Group

Help protect the values of the bushland. To join in the Friends Group activities or help in any way contact the City of Swan on 9267 9267.

Contact

Any damage or unlawful activity occurring within the reserve can be reported to Wildlife Watch **1800 44 94 53**. Officers in charge of this reserve can be contacted through the City of Swan Office **9267 9267** (during office hours).

Photos provided by Vi Saffer, Greg Keighery, Val English and the WA Museum.

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Congratulations!

You live near a nature reserve

Talbot Road Nature Reserve



"The Talbot Road natural area is one of the few remaining areas of bushland encompassing the soils, plant communities and fauna of the Ridge Hill Shelf. The place is highly significant in its diversity."

(Australian Heritage Commission, 1999).



Let's make it happen

What can you do to help the bushland?

Unfortunately, many of our actions have undesirable effects on nearby bushland. Here are a few ways that you can help to keep Talbot Road Nature Reserve healthy and beautiful.

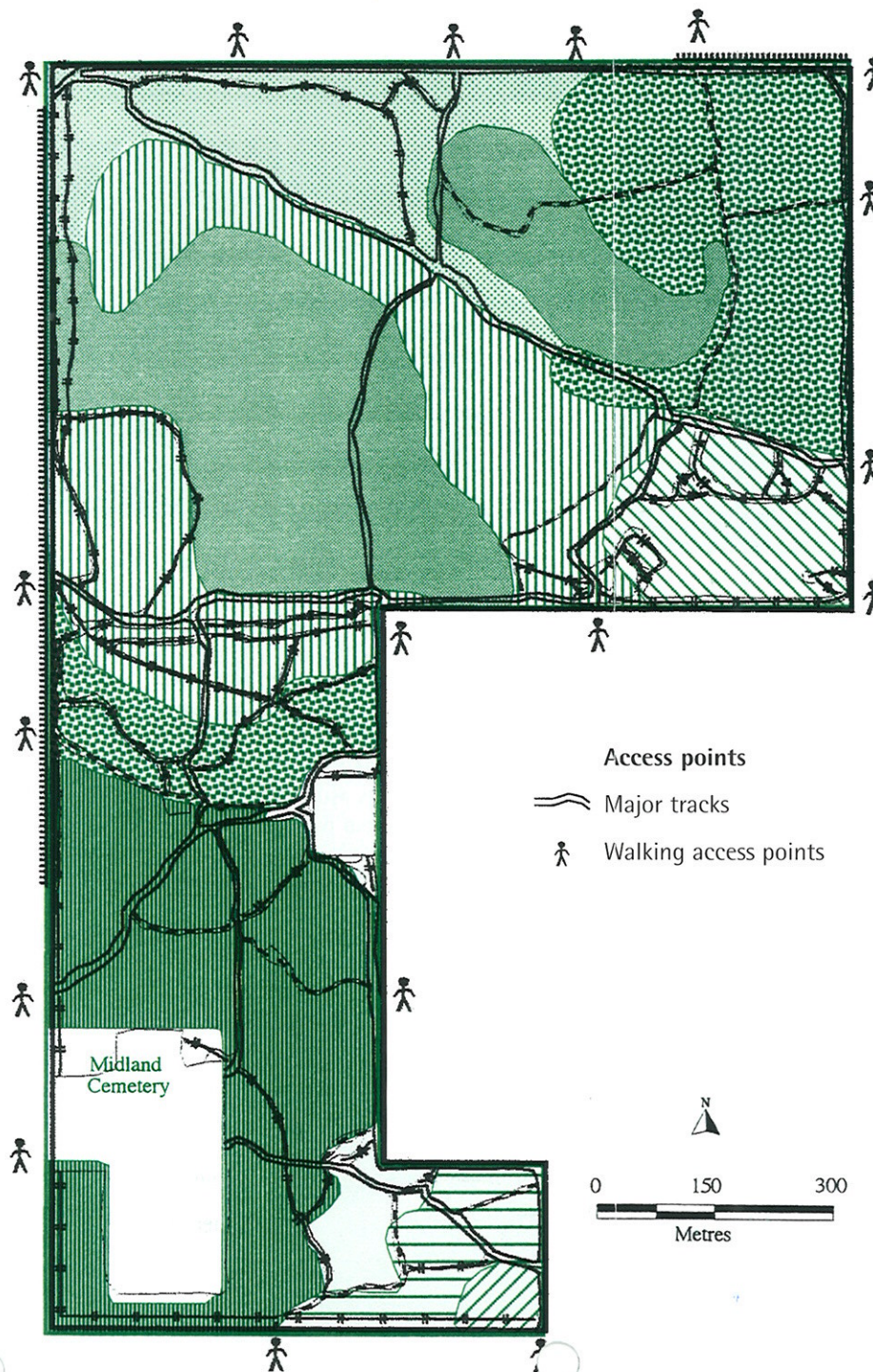
Don't dump rubbish – Dumping rubbish into the bushland looks unsightly and leads to other threats entering the bush. Weeds commonly spread from garden waste, with dumped lawn clippings and prunings producing nutrients that kill native vegetation. Composting your garden waste and prunings and adding them to your garden is a great alternative.

Keep dogs on leads – Small animals such as honey possums and bobtail lizards live in shrublands and low bush vegetation. When dogs run off the lead into the bush they form new tracks which degrade the bush, and can often scare or harm native animals. Amendments to the City of Swan's Local Laws still permit dogs in the area. However they must be restrained on a leash at all times.

Keep to the tracks – Walking off the tracks can break down plants that provide homes for native animals and can encourage weeds to spread into the bare patches that result.

Ride bikes elsewhere – Bike riding in the bushland destroys native plants, assists the spread of weeds and can break up habitat. The community designed BMX track on John Stone Park next to the Stratton Shopping Centre has been set aside for riding.

Report fires – Fires have a huge effect on the bushland environment, affecting both the plants and animals that live there. Talbot Road Nature Reserve has been subjected to repeated arson in the past, which has threatened adjacent properties and impacted on the quality and condition of the vegetation. Please report all fires or any unusual behaviour relating to arson to Fire and Emergency Services on (phone) 000.



Access points
 == Major tracks
 🚶 Walking access points

Plant communities

- Lateritic heath
- Marri woodland
- Marri low open woodland
- Banksia low woodland
- Sand shrubland
- Marri and jarrah woodland
- Marri and wandoo low open woodland
- Wandoo low open woodland
- Other use



Plants

Talbot Road Nature Reserve is incredibly diverse. The 107ha site is located at the base of the Darling Scarp on the soils of the Ridge Hill Shelf. A complex patterning of soils comprising ancient sand dunes, heavier Darling Range clays and iron rich gravels accounts for the wide range of plants found on the site.

The banksia woodlands and shrublands occur on sandier soils. They have many low growing plants and are dominated by medium sized banksias. WA's floral emblem, the red and green kangaroo paw, is a feature of the area.

Marri, jarrah and wandoo woodlands occur on the heavier soils. The woodlands are open with tall trees and low growing understorey plants. Plants found on the higher parts of the slope include common woollybush, yellow buttercups and common brown pea.

Within these woodlands, patches of scrubland or heathland occur. Refer to the map for a more detailed graphical representation of these communities.



Plant communities in danger

Talbot Road Nature Reserve contains two Threatened Ecological Communities which are critically endangered. They are the eastern shrublands and woodlands, and the marri and grass tree (balga) woodlands and shrublands.

A critically endangered community is one that faces the risk of total destruction in the immediate future. Major threats include clearing, weed invasion, dieback, too frequent fire and illegal rubbish dumping. All of these threats affect the health of plant communities.

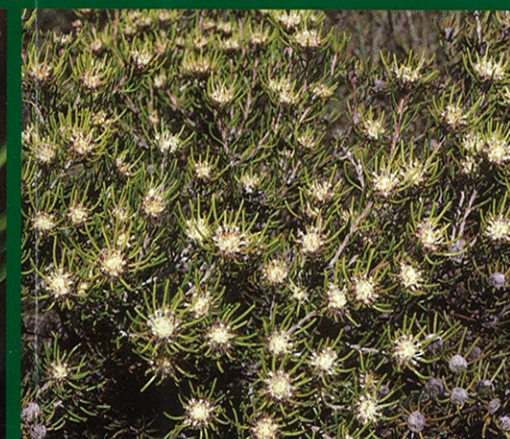
Threatened Ecological Communities are important because they are the last remaining examples of these plant communities in Western Australia. The Department of Conservation and Land Management works closely with the City of Swan, other government agencies and private landowners to protect and manage these communities.



Special plants

Talbot Road Nature Reserve contains more than 366 native plant species and subspecies.

There are also 16 species of significant flora. Two particularly important examples are *Isopogon drummondii* and *Conospermum incurvum* (plume smokebush) with the smokebush being the southernmost occurrence of this plant species in the Perth region.





Animals

The Western Australian Museum has carried out several fauna surveys in Talbot Road Nature Reserve. They have found that the bushland has a high species richness containing 47 birds, three native mammals, 13 reptiles and seven frogs.

Frogs

Frogs are particularly good environmental indicators of healthy bushland and wetlands. Of 17 sites studied on the Swan Coastal Plain, Talbot Road Nature Reserve has the richest grouping of frog species.

The quacking frog, sand frog and moaning frog have been found in the bushland. Each male frog has a special call. The quacking frog makes a loud quack sound. The sand frog makes a high-pitched trilling purr while the moaning frog makes a low rising moaning call.

Listen for them on your walks!

Mammals

Talbot Road Bushland is home to one particularly special mammal, the honey possum. This tiny mouse-sized mammal lives in bushland that has low, dense shrubs such as banksias, grevilleas and eucalypts.

They and bats are the only mammals in the world that feed solely on nectar and pollen. They have a long snout and brush tipped tongue to probe into flowers. They can be found in cooler months feeding on banksias and eucalypts during the day.



The honey possum's size and its habitat in the low dense shrubs of the bushland makes it vulnerable to attack from predators, in particular dogs and cats.

Reptiles

The southern shovel-nose snake and black-headed monitor are two reptiles found here and on a few other sites in the Perth metropolitan area.

Birds

More than 47 bird species have been recorded in the bushland. Five of these species live in specific habitats with only small numbers remaining on the Swan Coastal Plain. The high plant diversity of the bushland and the large number of flowering plants provide ample food source and habitat for the bird population, with honeyeaters, wattlebirds, parrots and cockatoos commonly sighted.



If you would like to know more about the Talbot Road Nature Reserve or would like to participate in any activities coordinated by the Friends Group, contact the City of Swan phone 9267 9267.

Talbot Rd. BF306
Karen Clarke

FLORISTICS of
RESERVES and BUSHLAND AREAS
of the PERTH REGION (SYSTEM 6)

Parts V - IX

**Full document
available
on request**

G.J. Keighery and B.J. Keighery

The Wildflower Society of Western Australia has published these papers, parts of a continuing series, in the interest of the conservation of our unique flora. The Society considers it essential that decision makers and managers have available the necessary flora information before making irreversible land use decisions.

The Floristic Survey of the Swan Coastal Plain, of which the surveys of the flora of these areas was part, was carried out with the assistance of funds made available by the Commonwealth of Australia under the National Estate Grants Programme, and by the Australian Heritage Commission.

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PO Box 64 Nedlands WA 6009

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Prepared by

Bronwen Keighery and Malcolm Trudgen

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TALBOT ROAD BUSHLAND

MANAGEMENT PLAN



**Full document
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on request**

JULY 1999