

POINT HEATHCOTE FORESHORE, APPLECROSS

Boundary Definition: protected area boundary (Areas of bushland/native vegetation within the boundaries of the Site are not accurately mapped.)

SECTION 1: LOCATION INFORMATION

Bush Forever Site no. 329

Area (ha): bushland 0 (note comment under Boundary Definition)

Map no. 47

Map sheet series ref. no. 2033-I NW

Other Names: not known

Local Authorities (Suburb): City of Melville (Applecross)

System 6 (1983): M65 part System area bushland and part scattered native plants (canopy), all vegetation described

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Pinjarra Plain

Guildford Formation (Qha: S14)

Spearwood Dunes

Tamala Limestone (Qtl: LS1)

VEGETATION AND FLORA

Vegetation Complex

Spearwood Dunes

Karrakatta Complex — Central and South

Floristic Community Types: not sampled, types not inferred

WETLANDS

Wetland Types: estuary (waterbody)

Natural Wetland Groups

Estuaries

Swan River (E.2)

Wetland Management Objectives: Conservation (0.1ha)

Swan Coastal Plain Lakes EPP: none identified

THREATENED ECOLOGICAL COMMUNITIES

Not determined

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: estuary — limestone cliff, vegetated wetland

Vegetation and Flora: limited survey (DEP 1999); detailed survey (Keighery, GJ, and Keighery 1998)

Structural Units

Wetlands (wetflats): *Juncus kraussii* and *Isolepis nodosus* Sedgeland

Scattered Native Plants

Uplands (slopes) – Spearwood Dunes: *Banksia* Low Woodland but generally modified, few scattered native plants and plantings

Vegetation Condition: Degraded to Completely Degraded

Total Flora: 87 native taxa, 36 weed taxa (Keighery, GJ, and Keighery 1998) (estimated >90% expected flora)

Significant Flora: Keighery, GJ, and Keighery 1998 — *Conospermum triplinervium*; a series of species associated with the Spearwood Dunes (sands and Tamala Limestone) the occurrence of which is extended inland along the river — *Conostylis candicans*, *Dryandra sessilis* var. *cygnorum*, *Eucalyptus gomphocephala*, *Scaevola nitida* and *Templetonia retusa*

Fauna: not known

Linkage: adjacent vegetation surrounding Heathcote Hospital available; part of Greenway 24 (Tingay, Alan & Associates 1998a); part of a regionally significant contiguous bushland/wetland linkage (Part A, Map 7)

Other Special Attributes: naturally vegetated areas on the Swan Estuary have particular conservation value in providing habitat for fauna and linkage between larger more intact areas of bushland; one of the few naturally vegetated areas on the Swan Estuary; open space of regional significance (DCE 1983)

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Directory of Important Wetlands in Australia (Swan–Canning Estuary)

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

Criteria: General criteria for the protection of wetland, streamline and estuarine fringing vegetation and coastal vegetation, Criteria not relevant to determination of regional significance, but which may be applied when evaluating areas having similar values

Recommendation: 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 (see Table 3, Volume I).

POINT HEATHCOTE FORESHORE, APPECROSS

Boundary Definition: protected area boundary (Areas of bushland/native vegetation 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. 329 Map no. 61 Map sheet series ref. no. 2033-I NW System 6 (1983): M65 part System area bushland and part scattered native plants (canopy), all vegetation described

Other Names: not known

Area (ha): total 1.6; bushland 0 (note comment under Boundary Definition)

Local Authorities (Suburb) City of Melville (Applecross)

Zoning MRS: Parks and Recreation TPS: Landscape

Ownership Categories Private (commercial organisation); State Government

Lot/Location/Reserve numbers (Purpose), Street name 6854 Canning Beach Rd; 8371 The Strand Crown Reserve

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Pinjarra Plain Guildford Formation (Qha: S14) Spearwood Dunes Tamala Limestone (Qtl: LS1)

VEGETATION AND FLORA

Vegetation Complex Spearwood Dunes Karrakatta Complex — Central and South

Floristic Community Types: not sampled, types not inferred

WETLANDS

Wetland Types: estuary (waterbody) Natural Wetland Groups Estuaries Swan River (E.2)

Wetland Management Objectives: Conservation (0.1ha) Swan Coastal Plain Lakes EPP: none identified

THREATENED ECOLOGICAL COMMUNITIES

Not determined

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: estuary — limestone cliff, vegetated wetland Vegetation and Flora: detailed survey (Keighery, GJ, and Keighery 1998)

Structural Units

Wetlands (wetflats): Juncus kraussii and Isolepis nodosus Sedgeland

Scattered Native Plants

Uplands (slopes) — Spearwood Dunes: Banksia Low Woodland but generally modified, few scattered native plants and plantings

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Total Flora: 87 native taxa, 36 weeds (Keighery, GJ, and Keighery 1998) (estimated >90% expected flora)

Significant Flora: Keighery, GJ, and Keighery 1998 — Conospermum triplinervium; a series of species associated with the Spearwood Dunes (sands and Tamala Limestone) the occurrence of which is extended inland along the river — Conostylis candicans, Dryandra sessilis var. cygnorum, Eucalyptus gomphocephala, Scaevola nitida and Templetonia retusa

Fauna: no known information

Linkage: adjacent vegetation surrounding Heathcote Hospital available; part of proposed Greenway 24 (Tingay, Alan & Associates 1997a); part of a regionally significant contiguous bushland/wetland linkage (Volume 2A, Map 8)

Other Special Attributes: naturally vegetated areas on the Swan Estuary have particular conservation value in providing habitat for fauna and linkage between larger more intact areas of bushland; one of the few naturally vegetated areas on the Swan Estuary; open space of regional significance (DCE 1983)

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Directory of Important Wetlands in Australia (Swan-Canning Estuary)



SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

Criteria: General criteria for the protection of wetland, streamline and estuarine fringing and coastal vegetation, Criteria not relevant to determination of conservation value, but which may be applied when evaluating areas having similar values

Opportunities and/or Constraints

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

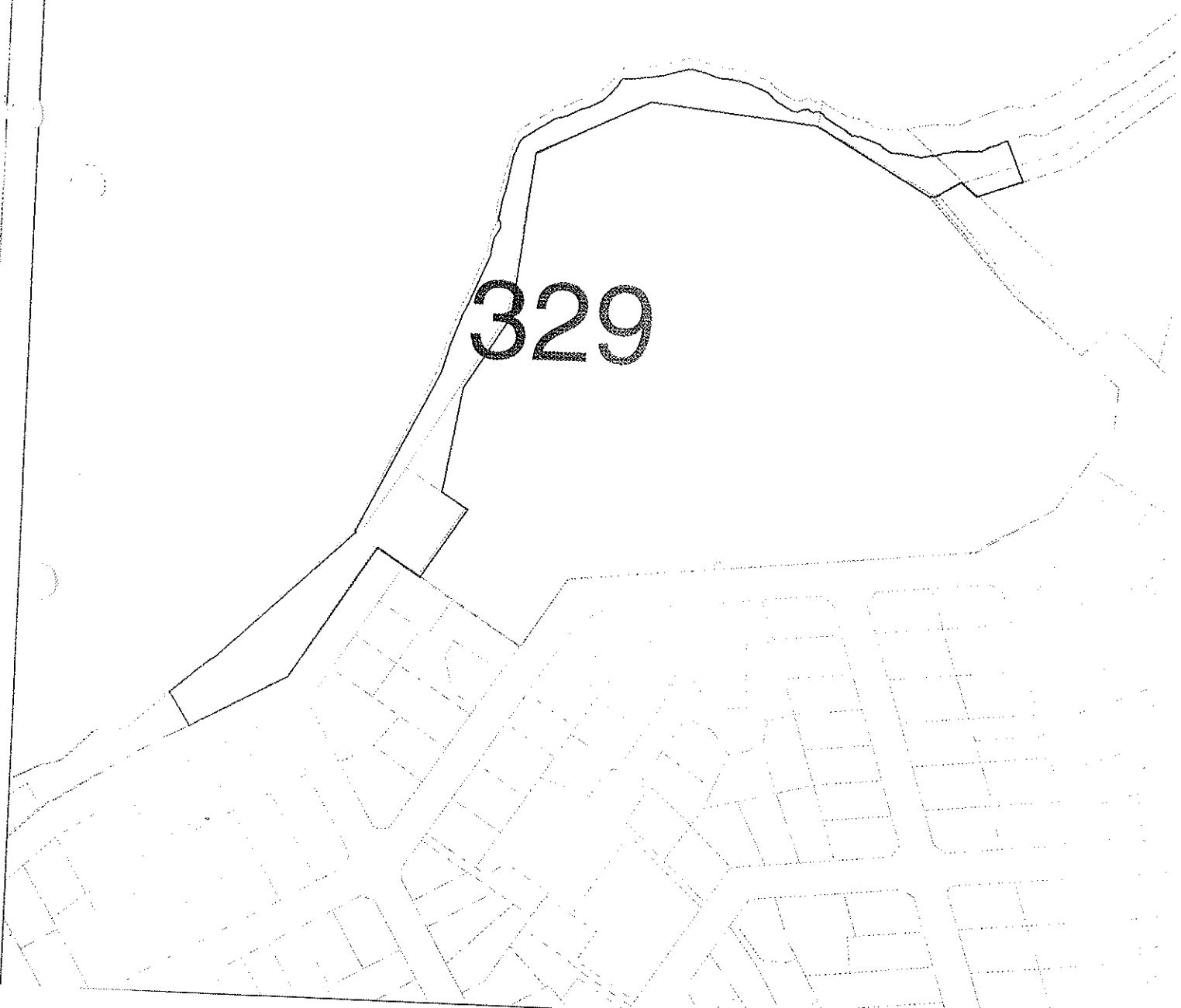
Constraints: private land

Recommendation: The existing care, control and management intent of the reserve is endorsed. Long-term security and support for conservation management of the Bushplan Site be enhanced by: amending the purpose of the reserve to include conservation; and applying appropriate mechanisms in consultation with the reserve management body.





329



ACTION ISSUES

BUSHPLAN SITES CORRECTED



WESTERN
AUSTRALIAN
PLANNING
COMMISSION



CUSTOMER
FOCUS
WESTERN AUSTRALIA



B 16 28/10/98



bp site 329

MINI CODE
1/3 WA 335
Merge the veg
falls into
'mod. near' category



-  Cadastral
-  Bushplan sites refno 1-500 SCP BOUNDARY

• NOT SHOWN
AS VEGETATED

No Veg

- PROPOSED DELETION
- EXISTING DRAINAGE
23/9 BJK

- 'Some veg in modified category'
- boundary was drawn to PLK
- System 6
- Other values, see description

MFP INTERNAL USE ONLY
Prepared By: Andrea Zappacosta
Prepared For:
Map Ident: plot980529_1
Date: 29 May 98
Scale 1: 2955





RESERVE 8371 POINT HEATHCOTE, APPLECROSS

*Japanese Pepper and **Leptospermum* Tall Open Scrub with emergent **Eucalyptus citriodora*, *Banksia menziesii* and *Callitris preissii* over occasional *Macrozamia riedlei* over **Erharta calycina* and **Avena barbata* Grassland with occasional *Dianella revoluta*.

Condition: Degraded

In addition much of the block is maintained gardens around the building or clumps of introduced garden plants.

Directly east there is a new set of stairs, for access up the escarpment.

Unsure whether the dual-use path adjoins directly Reserve 8371 or is located on the block. Portion of the path are being undermined on the foreshore side. Foreshore and primary dune vegetation is either missing over degraded and dominated by *Carpobrotus*, **Erharta* and/or **Trachyandra*.

Support Ministry for Planning memo dated 30/11/99:

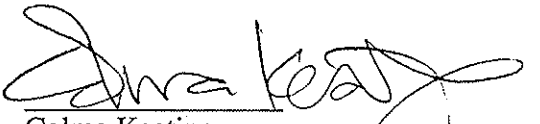
- escarpment portion, steep = unsuitable for development
- middle portion = flattened, cleared with Sea Scouts building, however could be rehabilitated
- foreshore portion = unsuitable for development, should be added to Foreshore Reserve.

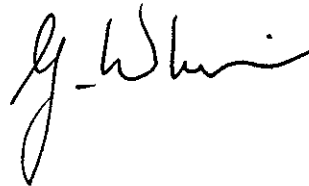
Note area to the east of Reserve

Banksia menziesii Low Open Woodland, over *Dryandra sessilis* Tall Open Scrub, over occasional shrubs of *Macrozamia riedlei*, *Hypocalymma*, over **Erharta calycina* and **Avena barbata* Grassland.

Some of the *Banksia* sp. and *Dryandra sessilis* have been recently cut or felled...presumably for view.

Bronwen Keighery recommendation that a 'Preservation Order' be placed on the area, to deter indiscriminate destruction of the vegetation.


Colma Keating
Department of Environmental Protection
based on site visit 7.12.99

 14/12/99

B) Site No. 329 Point Heathcote Foreshore, Applecross

- The Bushplan recommendation is endorsed.
- However, the existing reserve around Heathcote is likely to be substantially increased to include the escarpment of Heathcote peninsula for a parks and recreation reserve in accordance with Town Planning Scheme No. 3 Amendment No. 144 as agreed by City of Melville and Western Australian Planning Commission.
- A conservation reservation over the Heathcote peninsula escarpment only is endorsed.

C) Site No. [redacted] Yagan Wetlands and adjacent bush land Rossmoyne to Bull Creek

- This site is jointly located within the Cities of Melville and Canning.
- The proposal to amend the reserve to include conservation is supported.
- The adopted City of Melville management plan includes conservation and recreation purposes over the subject sites.
- Community Planning Scheme No. 5 includes nature conservation for the local open space both east and west of Karel Avenue.

D) Site No. 208 Blue Gum Reserve, Brentwood, Mount Pleasant

- The Bushplan recommendation is endorsed.
- However, it should be noted that Blue Gum Reserve is also used for storm water drainage.
- A new management plan will be prepared in late 1999 for this area.

E) Site No. 207 Lake Booragoon, Booragoon

- The Bushplan recommendation is endorsed.

F) Site No. [redacted] Piney Lakes Reserve

- The Bushplan recommendation is endorsed.
- The site is to be vested in the City of Melville in approximately three (3) years time.
- An interpretive centre is approved for the site.
- An environmental education centre is approved for the site.
- The bush land is proposed to be generated according to the Piney Lakes concept plan (attached).



M65 Point Heathcote Foreshore, Applecross

Friends Advocate Management

Other Names:

Specific Study/studies Miscellaneous studies

Flora

Vegetation Map	1	2	3	
Flora list	1	2	3	4
Significant Taxa				done / suitable / doubtful

Fauna

Mammals	1	2	
Birds	1	2	RAOU
Reptiles and Amphibia	1	2	
Invertebrates	1	2	

Vegetation Condition Map Sites Comment

Disturbance Factors Comment Management

Swan Coastal Plain Floristic Survey

AHC: National Estate- Listed / Interim / Nominated / Notified NT (WA): Heritage Classification

Notes
<i>Generally no bushland, isolated natives</i>

Please quote source as being from an unpublished report titled 'Floristics of System Six Reserves and Bushland XVI: Point Heathcote Foreshore (M65), Minim Cove (M 57), Mosman Park (M56), Peppermint Grove Foreshore (M 54) and Point Resolution (M59).' by G.J. Keighery¹ and B.J. Keighery² in 1998.

1. Department of Conservation and Land Management

2. Department of Environmental Protection

Appendix 1: Flora

TAXON

KEY

Areas

PH	Point Heathcote Reserve
PR	Point Resolution Reserve
PG	Peppermint Grove
CP	Chidley Point Reserve
MC	Minim Cove

Site Location of Plants

C	Cliff Top
F	Cliff Face
B	Beach
M	Marsh
W	woodland of Banksia or Tuart

	PH	PR	PG	CP	MC	Site
FERNS						
Annogramma leptophylla				*		
*Adiantum capillus-veneris			*			
PTERIDIACEAE						
Pteridium esculentum			*			F
GYMNOSPERMS						
ZAMIACEAE						
Macrozamia riedleii	*	*	*	*	*	W,H
CUPRESSACEAE						
Callitris preissii			*	*		C
MONOCOTYLEDONS						
AGAVACEAE						
*Agave americana		*	*		*	C,B
ALLIACEAE						
*Allium triquetrum		*				B
AMARYLLIDACEAE						
*Narcissus tazetta		*	*	*		C

ANTHERICAEAE						
Arthropodium capillipes			*			W
Caesia micrantha				*		W
Corynotheca micrantha	*			*	*	H
Thysanotus arenarius			*			W
Thysanotus dichotomus		*				W
Thysanotus patersonii		*	*		C	
*Trachyandra divaricata	*	*	*	*	*	B
Tricoryne elatior		*	*	*	*	C,H
AREACEAE						
*Phoenix dactylifera	*	*				C
ASPARAGACEAE						
*Myrsiphyllum asparagoides	*	*	*	*	*	C
ASPHODELACEAE						
*Asphodelus fistulosus			*			C
CENTROLEPIDACEAE						
Centrolepis drummondiana				*		W
COLCHICACEAE						
Burchardia umbellata				*		W
CYPERACEAE						
Baumea juncea				*	M	
Isolepis nodosa	*	*	*	*	*	B
Lepidosperma angustatum		*		*	*	H,W
Lepidosperma gladiatum	*	*	*	*	*	C,B
Lepidosperma tuberculatum	*			*		H,W
Mesomelaena pseudostygia	*	*	*	*	*	H,W
DASYPOGONACEAE						
Acanthocarpus preissii*	*	*	*	*		C
Lomandra caespitosa			*	*		W
L. maritima	*			*	*	C,W
HAEMODORACEAE						
Conostylis aculeata ssp. aculeata				*		W
C. candicans	*	*	*	*	*	H,W
C. setigera	*					W
HYACINTHACEAE						
*Lachenalia reflexa	*		*	*	*	W,C
*Ornithogalum umbellatum				*		H
IRIDACEAE						
*Chasmanthe floribunda	*	*	*	*		C
*Ferraria crispa	*			*		H
*Freesia leichtlinii	*	*	*	*	*	C
*Gladiolus undulatus	*		*	*	*	B
*Homeria flaccida					*	C
*Romulea rosea	*	*	*	*	*	C,W
*Watsonia bulbillifera			*		B	
JUNCAEAE						
Juncus kraussii	*	*	*	*	*	B, M

JUNCAGINACEAE

Triglochin calcitrapa * C

ORCHIDACEAE

Microtis media * B

PHORMIACEAE

Dianella divaricata * * * * * C,W

POACEAE

*Aira cupiana * * * * * C,H,W
 *Arundo donax * * * * * B
 *Avena barbata * * * * * C
 *Briza maxima * * * * * C
 *Briza minor * * * * * C
 *Bromus diandrus * * * * * C,W
 *Bromus unioloides * * * * * C
 *Catapodium rigidum * * * * * C
 *Cynodon dactylon * * * * * C,B,W
 *Ehrharta calycina * * * * * W,B
 *Ehrharta longiflora * * * * * C,W
 *Eragrostis curvula * * * * * W
 *Hordeum leporinum * * * * * W
 *Lagurus ovatus * * * * * C,W
 *Lolium perenne * * * * * B,W
 *Lolium rigidum * * * * * C,W
 *Paralophis incurva * * * * * B
 Paspalum vaginatum * * * * * B
 *Pennisetum clandestinum * * * * * W
 *Pennisetum purpureum * * * * * W
 *Pennisetum setaceum * * * * * C
 *Pentaschistis airoides * * * * * S
 *Phalaris minor * * * * * C
 *Pipteranthemum milliaceum * * * * * C
 *Poa annua * * * * * C
 Poa porphroclados * * * * * C
 Sporobolus virginicus * * * * * B
 *Stenotaphum secundatum * * * * * C,B
 Stipa elegantissima * * * * * C
 Stipa. flavescens * * * * * C
 *Vulpia myorus * * * * * W

RESTIONACEAE

Loxocarya flexuosa * * * C

XANTHORRHOEACEAE

Xanthorrhoea preissii * * * * H,W

DICOTYLEDONS

AIZOACEAE

*Carpobrotus edulis * * * B,C
 *Galena secunda * * * B
 *Tetragonia decumbens * * * B
 Tetragonia tetragonioides * * * B

AMARANTACEAE						
	<i>Ptilotus polystachyus</i>				*	W
ANACARDIACEAE						
	* <i>Schinus terebinthifolius</i>	*	*	*	*	C
APIACEAE						
	<i>Apium annuum</i>				*	M
	<i>Apium prostratum</i>				*	B
	<i>Centella cordifolia</i>	*				S
	* <i>Foeniculum vulgare</i>			*		C
APOCYNACEAE						
	<i>Alyxia buxifolia</i>		*		*	C
	* <i>Nerium oleander</i>		*			C,R
	* <i>Vinca major</i>		*			C
ASTERACEAE						
	* <i>Argyranthemum frutescens</i>	*	*	*	*	C
	* <i>Arctotheca calendula</i>	*		*		C,B,W
	* <i>Artemisia arborescens</i>		*			C
	* <i>Aster subulatus</i>	*				S
	* <i>Conyza albida</i>	*	*		*	C,B
	* <i>Dittrichia graveolens</i>			*		B
	* <i>Hypochaeris glabra</i>	*	*	*	*	C,W
	* <i>Lactuca serriola</i>	*	*		*	C
	<i>Olearia axillaris</i>	*	*		*	C
	* <i>Osteospermum ecklonis</i>		*		*	B
	* <i>Pseudognaphalium luteo-album</i>				*	D,C
	<i>Senecio laetus</i>					
	ssp. <i>maritimus</i>			*	H	
	* <i>Sonchus oleraceus</i>	*	*	*	*	C,H
	* <i>Ursinia anthemoides</i>	*	*	*	*	C,W
	* <i>Urospermum picroides</i>	*	*	*	*	C
	* <i>Vellerophyton dealbatum</i>				*	B,W
BRASSICACEAE						
	* <i>Brassica tournefortii</i>	*	*	*	*	C,B,W
	* <i>Cakile maritima</i>	*		*	*	B
	* <i>Heliophila pusilla</i>	*	*	*	*	C,W
	* <i>Lobularia maritima</i>	*		*	*	C,H
	* <i>Rhaphanus raphanistrum</i>	*	*	*	*	B,W
CAMPANULACEAE						
	* <i>Wahlenbergia capensis</i>			*		W
CASUARINACEAE						
	<i>Allocasuarina fraseriana</i>	*		*		W
	<i>A. humilis</i>	*	*	*	*	W
	<i>Casuarina obesa</i>	*	*	*	*	B
CARYOPHYLLACEAE						
	* <i>Cerastium glomeratum</i>	*	*	*	*	C
	* <i>Petrohagia velutina</i>	*	*	*	*	C,W
	* <i>Polycarpon tetraphyllum</i>	*			*	C
	* <i>Silene gallica</i>	*	*	*	C,W	
	* <i>S. nocturna</i>	*		*	*	C
	* <i>Stellaria media</i>				*	C

CHENOPODIACEAE					
Atriplex hypoleuca				*	B,S
*A. prostrata		*		*	B,S
Enchylaena tomentosa			*	*	C
Rhagodia baccata	*	*	*	*	C
Suaeda australis				*	C,B
Threlkeldia diffusa		*		*	C,B
CONVOLVULACEAE					
*Ipomaea indica		*			T
CRASSULACEAE					
Crassula exserta				*	C
*C. colorata		*	*		F
CUSCUTACEAE					
*Cuscuta epithymum				*	C
DILLENIACEAE					
Hibbertia hypericoides		*	*	*	B/T
DROSERACEAE					
Drosera glanduligera				*	B/T
EPACRIDACEAE					
Leucopogon parviflorus	*	*		*	C
EUPHORBIACEAE					
*Euphorbia peplus	*	*	*	*	C
*E. terracina			*	*	C,H
Phyllanthus calycinus	*	*			C
Poranthera microphylla			*		T
*Ricinus communis		*		*	C
FABACEAE (PAPILIONACEAE)					
Daviesia divaricata			*	*	H,W
Gompholobium tomentosum	*			*	H,W
Hardenbergia comptoniana	*	*	*	*	C
Isotropis cuneifolia				*	H,W
Jacksonia furcellata	*	*	*	*	B/T
J. sericea		*		*	C
J. sternbergiana	*			*	B/T
Kennedia prostrata				*	B/T
*Lathyrus tingianus		*			S,B
*Lotus angustissimus	*	*		*	C
*Lupinus consentinii	*	*		*	C
*Medicago polymorpha		*	*	*	C,B,W
*Melilotis indica			*	*	C,B
Templetonia retusa	*	*	*	*	C
*Trifolium angustifolium		*			B/T
*Trifolium campestre		*	*	*	C
*Trifolium cernuum		*			
*Trifolium dubium				*	C
*Vicia sativa ssp. nigra	*			*	C
FRANKENIACEAE					
Frankenia pauciflora				*	B

FUMARIACEAE						
	*Fumaria capreolata	*	*	*	*	C,B
	*F. muralis		*	*	*	C,B
GENTIANACEAE						
	*Centaurium erythraea			*		C
GERANIACEAE						
	*Pelargonium capitatum	*	*	*	*	C,B
	*P.x domesticum	*		*		B
	*P. x asperum	*				B
GOODENIACEAE						
	Lechenaultia floribunda	*				W
	L. linearoides			*		C,H
	Scavola canescens	*		*		W
	S.globulifera	*	*			C
	S.nitida	*	*	*	*	C
LAMIACEAE						
	*Leonotis leonurus	*				S
LOBELIACEAE						
	Lobelia alata				*	B
LOGANIACEAE						
	Logania vaginalis		*	*		C
LORANTHACEAE						
	Amyema linophyllum	*	*	*	*	B
MALVACEAE						
	*Lagunaria patersonii				*	C
MIMOSACEAE						
	Acacia cyclops	*		*	*	C,T
	Acacia lasiocarpa				*	H
	Acacia pulchella		*	*		H,W
	Acacia rostellifera	*	*	*	*	C,H
	Acacia saligna		*	*		W
	*Acacia sophorae	*				B
	Acacia truncata			*	*	C
	Acacia xanthina		*	*	*	C
MORACEAE						
	*Ficus carica	*	*	*	*	C,W
MYOPORACEAE						
	Eremophila glabra		*		*	C
	Myoporum insulare	*	*		*	C
MYRTACEAE						
	Agonis flexuosa	*	*	*	*	C
	Calothamnus quadrifidus				*	H
	*Chamelaucium uncinatum	*				W
	Eucalyptus gomphocephala	*	*	*	*	C
	Hypocalymma angustifolium	*				W

*Leptospermum laevigatum	*		*			C
Melaleuca acerosa	*			*	*	H
Melaleuca huegelii			*	*	*	C
OLEACEAE						
Olea europea		*			*	C
OROBANCHACEAE						
*Orobanche minor			*	*	*	W
OXALIDACEAE						
*Oxalis pes-caprae	*	*	*	*	*	C
PITTOSPORACEAE						
*Pittosporum undulatum			*			C
Pittosporum phillyraeoides			*			C
Sollya heterophylla					*	C,H
PLUMBAGINACEAE						
*Limnium campyonis		*				B
*Plumbago zeylanica			*			C
POLYGALACEAE						
Comesperma integerrimum			*		*	C,T
*Polygala myrtifolia			*			C
POLYGONACEAE						
*Rumex crispus	*		*	*	*	B,M
PORTULACACEAE						
C. corrigioloides				*		B/T
PRIMULACEAE						
*Anagallis arvensis						
var arvensis			*			C
*Anagallis arvensis						
var caerulea	*	*	*	*	*	C,B
PROTEACEAE						
Adenanthos cygnorum	*					W
Banksia attenuata	*	*		*	*	W
B. menziesii	*	*		*		W
B. prionotes				*		W
Conospermum triplinervum	*					W
Dryandra nivea	*	*		*	*	H
D. sessilis	*	*	*	*	*	C
Grevillea crithmifolia	*		*			C
G.thelemanniana		*	*		*	C,H
Hakea prostrata	*		*	*	*	W,H,C
Petrophile macrostachya	*					W
P. serruriae					*	H
RANUNCULACEAE						
Clematis pubescens					*	C
C.microphylla			*			C
RHAMNACEAE						
*Rhamnus alaternus			*			C

Syridium globulosum	*	*	*	*	C
Trymalium ledifolium		*	*		C
RUBIACEAE					
*Galium murale	*				C
Opercularia vaginata			*	*	C,H
RUTACEAE					
Boronia alata				*	C
*Coleonema album		*			C
SANTALACEAE					
Exocarpus sparteus				*	C
SAPINDACEAE					
Dodonaea ceratocarpa		*			C
SCROPHULARIACEAE					
*Cymbalaria muralis		*			C
*Dischisma arenaria			*		C
*Missopates orontorium	*	*			C
SIMAROUBICEAE					
*Ailanthus altissima		*			C
SOLANACEAE					
*Solanum nigrum	*	*		*	C,W
TROPAEOLEACEAE					
*Tropaeolum majus		*			C
URTICACEAE					
Parietaria debilis				*	C
*P. judaica				*	C
VALERIANACEAE					
*Centranthus macrosiphon		*	*		C,W
VERBENACEAE					
*Phyla nodiflora				*	B

7.12.99

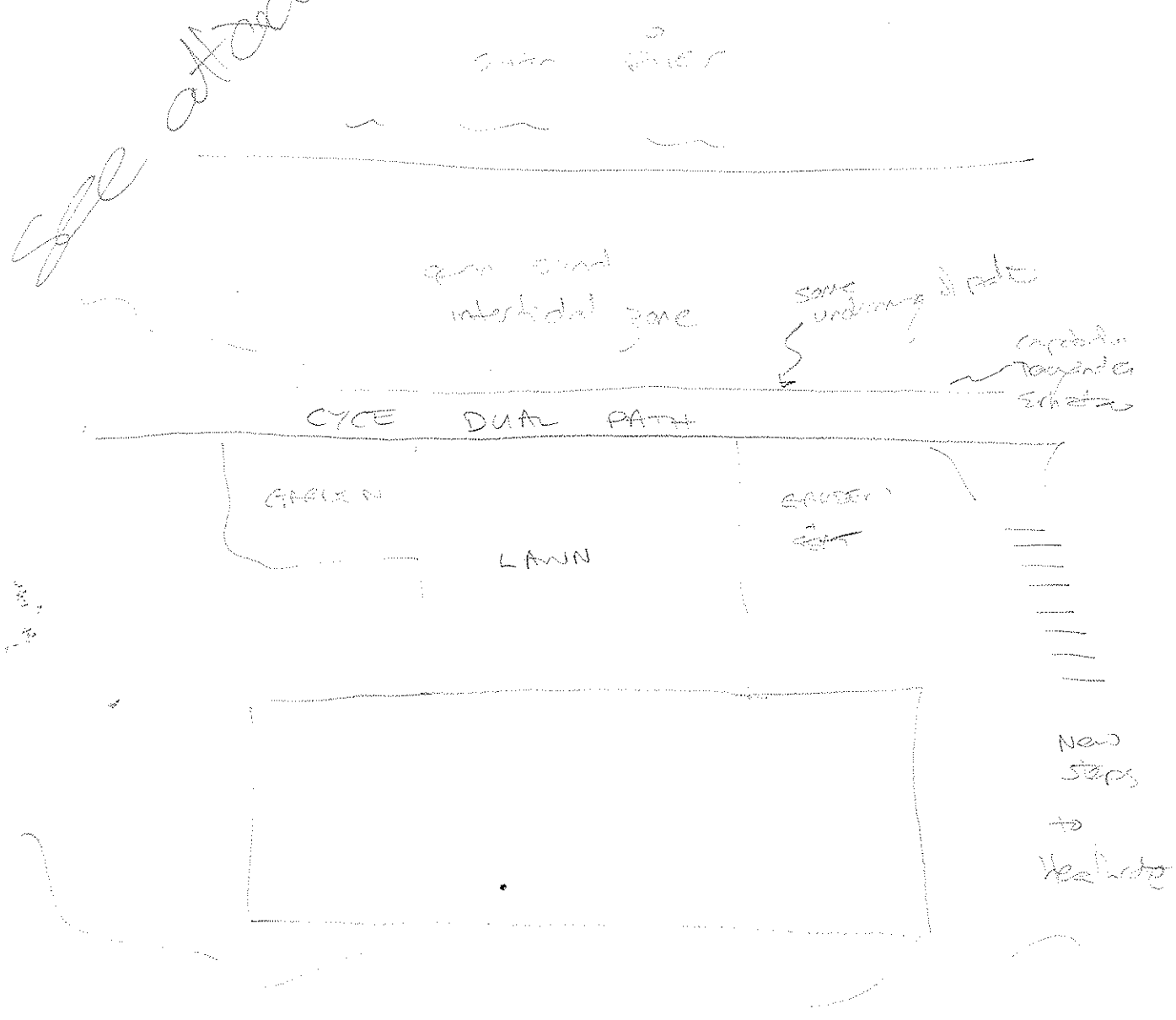
HEATHCOTE

Figure 8371

16/6

Simon KATHNER
Dep. of Environ. Mod.

copy attached



Dominated by:

- Euc. camaldulensis 7-10m
- Japanese acer 2-5m
- occ. Calluna praecox
- Pi Tree 4-5m 7-10m
- occ. Dyakia serrata
- Marrubium caudatum
- Dialium cordata
- Banksia marginata

velvet grass & wild rye

7.2.99

ADJACENT TO RESERVE 8371

Banksia ~~sp.~~ ^{meis.} 8-10m 5-10%
 xii *Banksia* *terrestris*
 xiii *Banksia* *terrestris* *terrestris*

Dryandra *sp.* 2-4m 20%
Leptosiphon < 1%
Mitrasacme

Diarella *terrestris* < 2%
~~*Leptosiphon*~~
Mitrasacme *terrestris*

* *Glinnia* 1m 60%
Trochilium

NOTE *Banksias* - *Dryandra*'s cut down = dead bar
 sil' chosen.

- occ invasive pine tree + *Cue* ? *manure*
- 18% of *parva* bush regn
- young *B. meis.*