

SYSTEM 6 BUSHLAND SUBMISSION FORM FOR CONSIDERATION IN THE UPDATE PROGRAMME

If you wish to submit more than one area for consideration in the System 6 update, please use a separate form for each area.

Please fill in each section giving as much information as possible.

LOCATION, OWNERSHIP AND ZONING OF THE AREA

1. Location

Please give as accurate and detailed a description as possible of the site location

Please include either a hand drawn or copied map showing the area of the area

a) Bordering Roads: *Near Northern end of Hilbert rd (existing) otherwise E side of Hilbert rd.*

b) Nearest Corner: *Part Lots 108 - 8 - 9*

c) Lot Number: Street Number:

d) Town/Suburb/Location: *Wungong*

e) Local Council: *Armadale*

f) Site Name (if any): *Hilbert rd Swamp*

g) Approximate size of the area (ha): *5*

h) Please locate the area on a map and give us map references if possible:

i) Map: *Streetsmart* UBD/Other:

j) Map no.: *115*

k) Grid Ref: *G0 x 01*

l) Please give any other information that may help us to find the location:

Maps attached

m) Are you aware of any development proposals that are likely to affect the area?

Not at moment

NOTE: Areas that have already been given development APPROVAL should not be nominated

Please fill out those questions that you can answer

2. Who owns the area? (If owned by the person/s making the nomination please indicate) *Homeswest*

3. If you own the area, and may be interested in participating in conservation on private land initiatives please indicate (and leave your name and address at the end of this submission form)

4. What is the area zoned? (please indicate whether zoning is Town Planning Scheme or Metropolitan Region Scheme)

CAN YOU TELL US A LITTLE ABOUT THE PHYSICAL CHARACTERISTICS OF THE AREA

5. Why do you consider this area important? (Refer to Guiding Issues paper)
..... *A very good vegetated area which enables water birds such as the little Red Cormorant to nest there in a colony. - in poplar trees*

6. What is/are the soil type/s and colours ?

Type: Sand/Clay/Gravel/Loam/Silt
Colour: White/Grey/Brown/Orange/Yellow/Red/Black

7. Does the area have any special features such as unusual landforms / landscapes that still retain their natural vegetation? Yes/No

If yes, what are they?

8. Is the area a wetland or does it include a wetland? *yes*

If yes, what kind of a wetlands is it?

- a) lake
- b) river
- c) stream
- d) swamp
- e) estuary
- f) seasonally wet
- g) other

9. What percentage of the wetland is open water in summer? 10%

CAN YOU TELL US A LITTLE ABOUT THE VEGETATION /FAUNA ON THE NOMINATED AREA.

10. What percentage of the area is indigenous vegetation? 90%

11. If the area includes regions cleared of native bushland please indicate reasons for the inclusion.

12. Has any previous flora or fauna survey work been done on the area? *yes*
..... *A basic flora list I recorded during bird surveys is attached.*

If yes, please give details of the work *I done waterbird surveys for*
the RABU. Sedge-wet study "Swan Coastal Plain Wetland Study"
1989-92 (Published in Vol 7. WFWA "Wetland of the Swan Coastal Plain")

13. How would you rate the condition of the native bushland? (see attached table)

- a) pristine
- b) excellent
- c) very good *in the swamp & the eastern perimeter of swamp.*
- d) good
- e) degraded *- western perimeter of swamp - from horses.*
- f) completely degraded
- g) don't know

14. Please indicate the disturbances affecting the area and where appropriate the percentage of the area disturbed.

- a) Partial clearing
- b) fragmentation
- c) Selective removal of species: timber cutting, wildflower picking, mowing dieback and other plant diseases
- d) Fire regime, including intensity, season and frequency
- e) 'Enrichment plantings' that is plantings of species not found in that community
- f) Weed invasion
- g) Animal impact: horses foxes, rabbits, cats, dogs, camels, goats etc
- h) Soil movement, both removal and dumping
- i) Changes in water regimes; flooding, drainage and watering - *a drainage enters swamp on eastern end.*
- j) Salinity
- k) Fertiliser drift and along waterways nutrient influx
- l) Mining, including that for road works

Horses have damaged trees

- m) Grazing: stock, overgrazing by feral or native mammals (around perimeter mostly W side)
- n) Proliferation of tracks, fire breaks and walk trails
- o) Off-road vehicle use
- p) Use as service corridors by the SEC, Main Roads, Water Authority.

(Source: B Keighery. Bushland Plant Survey, September 1994)

15. Does the area contain any plant species of special interest that you know of? (eg. declared rare flora, priority taxa, outlier populations)

Do you know what they are?

16. Do you know of any native animals that use the area?

Can you list those you know of? (birds, mammals, reptiles, amphibians etc)

attached

17. Is the area used by any native animals of special interest? (eg. endangered species, large/important populations).....

If yes, please name them and indicate source of information

.....
.....

CAN YOU TELL US A LITTLE ABOUT THE SURROUNDING AREA

18. Are there any bushland areas (including wetlands) near to this area?

yes

If yes, how close are they? The Wuyong river is 300m South

.....
.....

Are they already conservation reserves? I dont think so

What is their approximate size?

19. Does the submitted area link other bushland areas? No

.....
.....

Please attach any additional information about the area which may be of use when assessing it.

Read - "Wetlands in the City of Armadale"
W A W A. April 1993. (Report No W P 161.)

Waterbirds recorded at Hilbert at Swamp

* = breeding

by David James
(Scopewest
surveys)

	22-7-89	29-7-90	27-10-90	26-1-91	28-2-91
Grey Teal.	22	10	14		12
Black Duck	6	16	9		8
Shel Duck	2				
Marek Duck		2	50		
Hardhead			8		
Dusky Moorhen		2	3		
Eurasian Coot			6*		4
White-faced Heron	4		1	10	1
Rufous Night Heron			2		
Spotless Crake		1			
Little Pied Cormorant	4	2	10*		8
Sacred Ibis			1		
Purple Swamphen			1		

Recent
Waterbirds recorded 20-8-95

Eurasian Coot	6
Black Duck	10
Grey teal	8
Dusky Moorhen	2
Little Pied Cormorant	4+
Sacred Ibis	2

Land birds seen around the perimeter of
Hilbeat rd Swamp - and in the
Swamp

New Holland Honeyeater

Brown Honeyeater

Red Wattlebird

Splendid Fairywren.

Inland Thornbill

Yellow rumped Thornbill

Western Gerygone

Silvereye

Rufous Whistler

Red-capped Robin

Scarlet Robin

Grey Fantail

Willie Wagtail

Striated Pardalote

Sacred Kingfisher

Black-faced Cuckoo-shrike

Common Bronze-wing Pigeon

Red-capped Parrot

Barn Owl

Grey Butcher Bird

Australian Magpie

Australian Magpie-Lark

Australian Raven

vegetation.
(On visits between
1989 - 1991)

David James.

Additional species recorded 20.8.95.

Port Lincoln Kingneck

Little Wattlebird

Kestrel

From O.F. JAMES
284 Commercial Road Forrestdale
6112

Vegetation of Hilbert rd Swamp and its
immediate surrounding area.

(Not complete)

Trees.

<i>Allocasuarina fraseriana</i>	Common Sheoak
<i>Banksia attenuata</i>	Candle Banksia
<i>B. littoralis</i>	Swamp Banksia
<i>B. ilicifolia</i>	Holly-leaf Banksia
<i>B. menziesii</i>	Firewood Banksia
<i>Eucalyptus marginata</i>	Jarrah
<i>E. Toddtiana</i>	Prickly Bark
<i>E. calophylla</i>	Marri
<i>Melaleuca preissiana</i>	Modong Paperbark
<i>M. rhamnophylla</i>	Freshwater Paperbark

Shrubs - understorey

<i>Acacia pulchella</i>	Prickly Moses
<i>Aotus gracillima</i>	
<i>Antartea fascicularis</i>	
<i>Baumea</i> sp.	
<i>Cassutha racemosa</i>	Dodder Laurel
<i>Eutaxia virgata</i>	
<i>Hypocalymma angustifolium</i>	White Myrtle
<i>Kunzea ericifolia</i>	Spearwood
<i>Leucopogon australis</i>	Spiked Beard-heath
<i>Melaleuca incana</i>	Grey Honey-myrtle
<i>M. lateritia</i>	Robin Redbreast Bush
<i>M. teretifolia</i>	Banbar
<i>Pericalymma ellipticum</i>	Swamp Tea-tree
<i>Rush</i> sp.	

Vegetation of Hilbert rd swamp. cont

(David James.)

12

Shrubs - understory.

Jacksonia furcellata

Acacia saligna

Kennedia prostrata

Dasyglosson bromeliifolius

Xanthorrhoea preissii

Sowerbaea laxiflora

Boronia cymosa

Cotula coronopifolia

Drosera sp.

Grey Stinkwood

Golden-wreath Wattle

Scarlet Runner

Pine apple Bush

Black boy

Purple Tassels

Granite Boronia

Water-buttons

From
 David James.
 284 Commercial
 rd Forrestdale
 6112
 August 1995.

