

## SWAN RIVER BACKWATER, SOUTH GUILDFORD

**Boundary Definition:** System 6 area boundary

### SECTION 1: LOCATION INFORMATION

**Bush Forever Site no.** 491

**Area (ha):** <0.6 bushland (Site also includes open water.)

**Map no.** 42, 43

**Map sheet series ref. no.** 2034-II SE

**Other Names:** not known

**Local Authorities (Suburb):** Shire of Swan (South Guildford)

**System 6 (1983):** M44 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: Ms4)

##### Bassendean Dunes/Pinjarra Plain

Bassendean Sands over Guildford Formation (Qpb/Qpa: S10)

#### VEGETATION AND FLORA

##### Vegetation Complexes

###### Pinjarra Plain

Swan Complex

**Floristic Community Types:** not sampled, types not inferred

#### WETLANDS

**Wetland Types:** floodplain, estuary (peripheral)

##### Natural Wetland Groups

###### Swan Coastal Plain Rivers

Swan River (R.2)

###### Estuaries

Swan River (E.2)

**Wetland Management Objectives:** Conservation (15ha), Resource Enhancement

**Swan Coastal Plain Lakes EPP:** none identified

#### THREATENED ECOLOGICAL COMMUNITIES

Not determined

### SECTION 3: SPECIFIC SITE DETAIL

**Landscape Features:** open water, vegetated wetland, estuary

**Vegetation and Flora:** limited survey (DEP 1998, DEP 1999, Pen 1983)

**Structural Units:** mapping (Pen 1983)

Wetlands (wetflats): *Eucalyptus rudis* Forest to Woodland; *Melaleuca raphiophylla* Low Open Forest to Low Woodland; *Casuarina obesa* and *Melaleuca raphiophylla* Low Woodland to Low Open Forest; *Sarcocornia quinqueflora* Low Shrubland to Closed Low Heath; Closed Sedgeland to Sedgeland dominated by *Bolboschoenus caldwellii* and *Juncus kraussii*

**Scattered Native Plants:** *Eucalyptus rudis* Forest to Woodland — regionally significant vegetation recognised as being included in the area of Site in need of protection

**Vegetation Condition:** Very Good to Degraded

**Total Flora:** not known

**Significant Flora:** none recorded

**Fauna:** not known

**Linkage:** canopy/creekline linkage to north and south; part of Greenway 24 (Tingay, Alan & Associates 1998a); part of regionally significant contiguous bushland/wetland linkage (Part A, Map 7)

**Other Special Attributes:** one of a very limited number of bushland areas on the Swan Estuary, naturally vegetated areas on the Swan Estuary having particular conservation value in providing habitat for fauna and linkage between areas of bushland; open space of regional significance (DCE 1983)

### SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Directory of Important Wetlands in Australia

***SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS***

**Criteria:** Representation of ecological communities, 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 1).

## SWAN RIVER BACKWATER, SOUTH GUILDFORD

**Boundary Definition:** System 6 area boundary

### SECTION 1: CADASTRAL INFORMATION

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

**Bushplan Site no.** 491      **Map no.** 52      **Map sheet series ref. no.** 2034-II SE

**System 6 (1983):** M44 part System area bushland and part scattered native plants (canopy), all vegetation described

**Other Names:** not known

**Area (ha):** total 1.3 (includes open water); <0.6 bushland

**Local Authorities (Suburb)**

Shire of Swan (South Guildford)

**Zoning**

**MRS:** Parks and Recreation, Urban, Waterways

**TPS:** No zone

**Ownership Categories**

State Government, Private (including commercial organisation), Not identified

**Lot/Location/Reserve numbers (Purpose),**

**Street name**

3, 58 Kidman Ave; 55 Wilkie St; 0, 23, 47, 48, 49, 50, 51, 52, 54 River View Ave

### SECTION 2: REGIONAL INFORMATION

#### LANDFORMS AND SOILS

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Guildford Formation (Qha: Ms4)

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#### VEGETATION AND FLORA

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**Floristic Community Types:** not sampled, types not inferred

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**Wetland Types:** floodplain, estuary (peripheral)

##### Natural Wetland Groups

###### Swan Coastal Plain Rivers

Swan River (R.2)

###### Estuaries

Swan River (E.2)

**Wetland Management Objectives:** Conservation (15ha), Resource Enhancement

**Swan Coastal Plain Lakes EPP:** none identified

#### THREATENED ECOLOGICAL COMMUNITIES

Not determined

### SECTION 3: SPECIFIC SITE DETAIL

**Landscape Features:** open water, vegetated wetland, estuary

**Vegetation and Flora:** limited survey (DEP 1998, Pen 1983)

**Structural Units:** mapping (Pen 1983)

**Wetlands (wetflats):** *Eucalyptus rudis* Forest to Woodland; *Melaleuca raphiophylla* Low Open Forest to Low Woodland; *Casuarina obesa* and *Melaleuca raphiophylla* Low Woodland to Low Open Forest; *Sarcocornia quinqueflora* Low Shrubland to Closed Low Heath; Closed Sedgelands to Sedgelands dominated by *Bolboschoenus caldwellii* and *Juncus kraussii*

**Scattered Native Plants:** *Eucalyptus rudis* Forest to Woodland - regionally significant vegetation recognised as being included in the area of Bushplan Site in need of protection

**Vegetation Condition:** Very Good to Degraded

**Total Flora:** not known

**Significant Flora:** none recorded

**Fauna:** no known information

**Linkage:** canopy/creepline linkage to north and south; part of proposed Greenway 24 (Tingay, Alan & Associates 1997a); part of regionally significant contiguous bushland/wetland linkage (Volume 2A, Map 8)

**Other Special Attributes:** one of a very limited number of bushland areas on the Swan Estuary, naturally vegetated areas on the Swan Estuary having particular conservation value in providing habitat for fauna and linkage between areas of bushland; open space of regional significance (DCE 1983)

### SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Directory of Important Wetlands in Australia

**SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS**

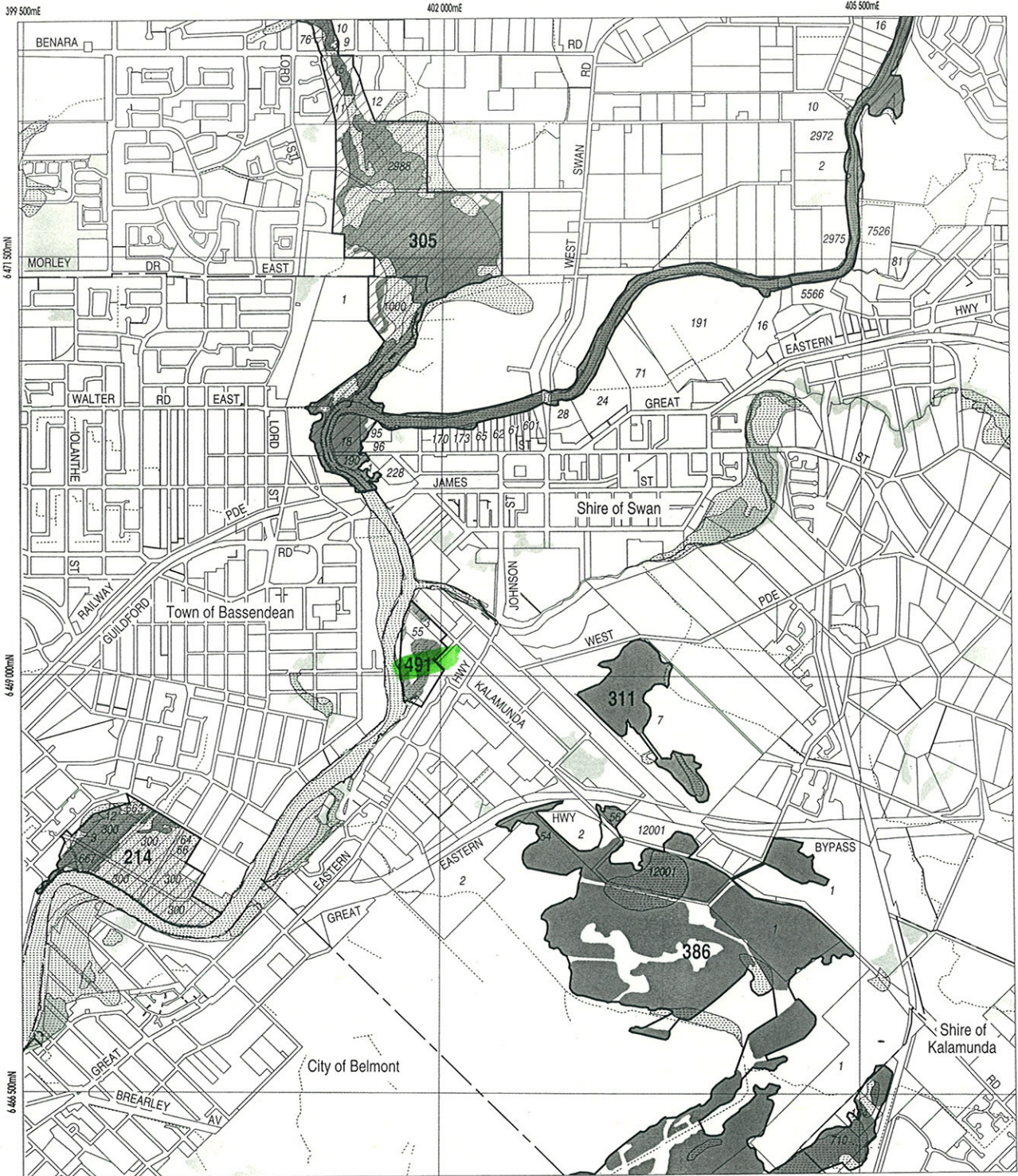
**Criteria met for inclusion:** Representation of ecological communities, General criteria for the protection of wetland, streamline and estuarine fringing and coastal vegetation, Criteria not relevant to determination of conservation value, but which may be applied when evaluating areas having similar 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/or TPS Parks and Recreation Zone, Crown Reserve

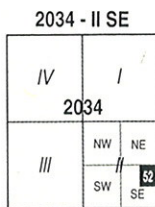
**Constraints:** private land; under MRS Urban Zoning

**Recommendation:** The most appropriate mechanism for the protection of this Bushplan Site be considered through the public comment period in consultation with the land owner(s). This may include: 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.

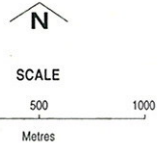
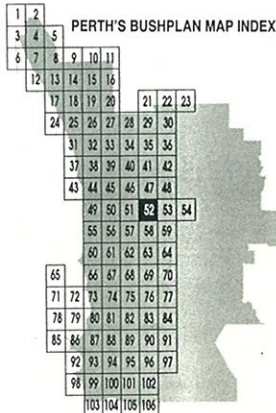


**LEGEND**

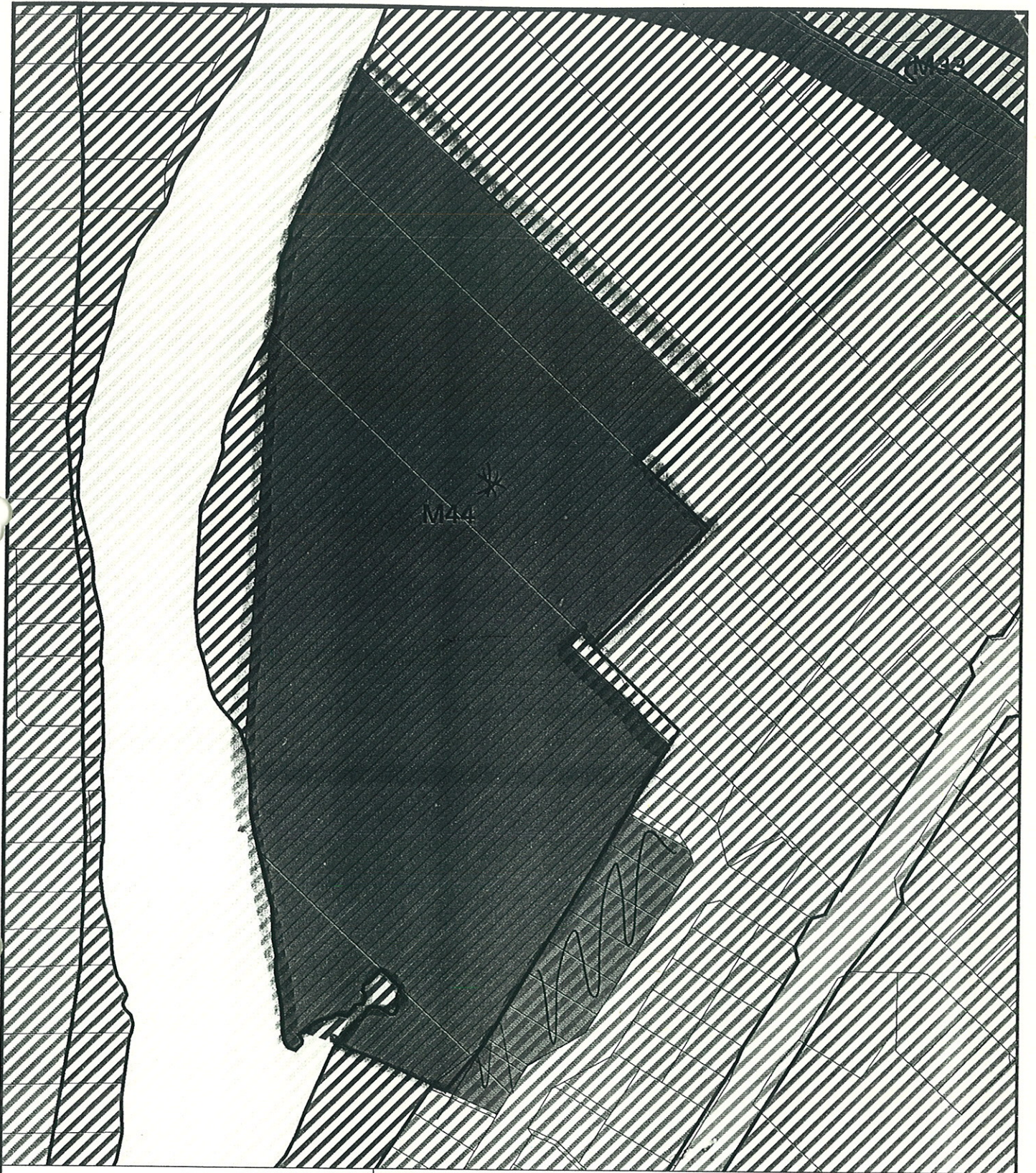
- 472 Bushplan Sites With Regionally Significant Bushland
- Other Native Vegetation
- Conservation Category Wetlands
- Bushplan Sites With Some Existing Protection
- 696 Lot Number, Location Number
- Channel Wetlands
- Local Government Boundary



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



Produced by Project Mapping Section  
 Land Information Branch, Ministry for  
 Planning, Perth W.A. November 1998  
 ntw-map18/environ/bushplan/bushv2\_52.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



**Perth's Bushplan  
System 6 - M44  
Bushplan Site - Late  
Swan River P&R**

MFP INTERNAL USE ONLY








Prepared By: Clifford Lloyd

Prepared For: Project Mapping

Map Ident: plot981030\_1

Date: 30 Oct 98

Scale 1:3361

-  EPA System 6
-  Cadastre
-  URBAN
-  INDUSTRIAL
-  WATERWAYS
-  PARKS & RECREATION
-  OTHER MAJOR HIGHWAYS

PROPOSED SITE:

491 ✓

*Minor addition to map.  
No boundary only extractions not possible  
it does not include other P&R area.*



Consang suites  
E.2  
R.2

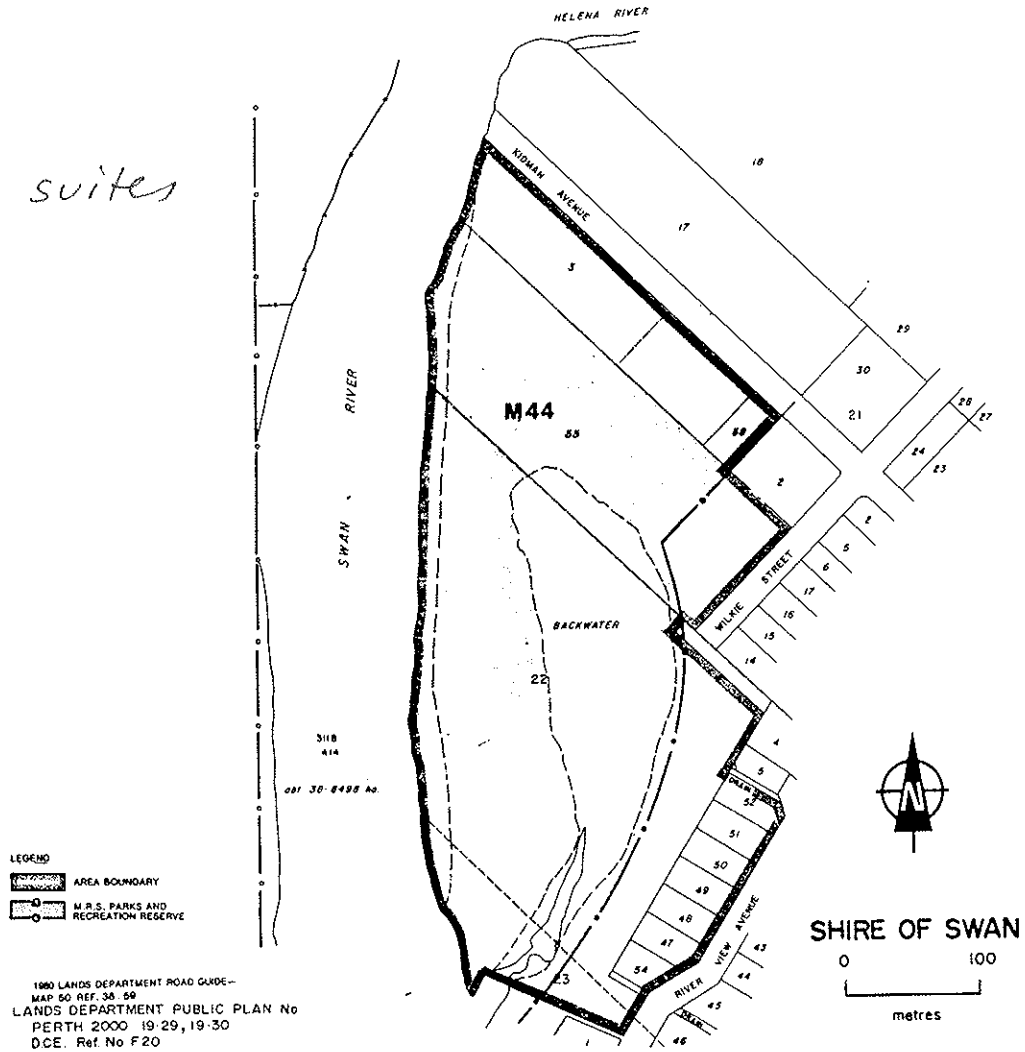


Figure 113

#### M45 HAZELMERE LAKES

The recommended area is situated a few kilometres south-east of Guildford and comprises parts of lots 1, 120 to 127, 133 to 135, 363 and 364 (Helena Location 20a), privately owned freehold land.(Figure 114).

The area is subject to the Metropolitan Region Planning Authority's Eastern Corridor Study. Private groundwater extraction may affect water levels and there may be organic pollution due to drainage from septic tanks. The area may be affected by proposed sewerage and drainage works.

Stock grazing has eliminated almost all the fringing vegetation from the northern lake. However, the southern lake is almost completely encircled by swamp paperbark, with some flooded gum as well as Moonah paperbark at the southern end of the lake, where the fringing vegetation merges with the remnants of the surrounding woodland marri, banksia, sheoak and Christmas tree.

The lakes support a good variety of water-birds, waders as well as water-fowl, including the red-necked avocet, banded stilt and black-winged stilt, which are uncommon in the eastern part of the metropolitan area. The lakes retain water for most of the year, and so serve to some extent as summer refuges for water-birds. Water-birds on the northern lake can easily be viewed from the surrounding roads.

Stock have access to the water in both lakes, but their exclusion would assist regeneration of the vegetation and reduce degradation of the lakes' banks. The lakes cannot be used for passive recreation pedestrian access is provided across freehold land from nearby roads.

# PERIPHERAL VEGETATION of the Swan and Canning Estuaries 1981

**Full document  
available  
on request**



Department of Conservation & Environment  
Western Australia

Bulletin 113  
July, 1983



Swan River  
Management Authority

WILD 1574 UAGA  
Nr 13037 152.72

100096



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WILD 1574 UAGA

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