

## LOWLANDS BUSHLAND — WESTERN BLOCK (HYMUS SWAMP), PEEL ESTATE

**Boundary Definition:** bushland (part taken to cadastre) boundary

### SECTION 1: LOCATION INFORMATION

**Bush Forever Site no.** 372

**Area (ha):** bushland 133.6

**Map no.** 76

**Map sheet series ref. no.** 2033-II NW

**Other Names:** White Gum Block; Lowlands — western block; Lowlands, Hymus Swamp

**Local Authorities (Suburb):** Shire of Serpentine-Jarrahdale (Hopeland)

**System 6 (1983):** Part M105 Part System area bushland, only bushland described

### SECTION 2: REGIONAL INFORMATION

#### LANDFORMS AND SOILS

##### Bassendean Dunes

Bassendean Sands (Qpb: S8)

##### Bassendean Dunes/Pinjarra Plain

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

##### Wetlands (within the Bassendean Dunes/Pinjarra Plain)

Holocene Swamp Deposits (Qhw: Cps)

#### VEGETATION AND FLORA

##### Vegetation Complexes

###### Pinjarra Plain

Dardanup Complex

###### Bassendean Dunes

Bassendean Complex — Central and South

###### Combinations of Bassendean Dunes/Pinjarra Plain

Southern River Complex

##### Floristic Community Types

###### Supergroup 2: Seasonal Wetlands

11 Wet forests and woodlands

###### Supergroup 3: Uplands centred on Bassendean Dunes and Dandaragan Plateau

21c Low-lying *Banksia attenuata* woodlands or shrublands

#### WETLANDS

**Wetland Types:** dampland, palusplain, artificial channel

##### Natural Wetland Groups

###### Swan Coastal Plain Rivers

Goegrup (R.4)

**Wetland Management Objectives:** Conservation (114.6ha), Resource Enhancement, Multiple Use

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

#### THREATENED ECOLOGICAL COMMUNITIES

Not assessed

### SECTION 3: SPECIFIC SITE DETAIL

**Landscape Features:** vegetated wetland, vegetated uplands

**Vegetation and Flora:** limited (Dames and Moore 1988b, Gibson *et al.* 1994 (Hymus 01–06)); detailed survey (Keighery, BJ, *et al.* 1995)

**Structural Units:** mapping (Keighery, BJ, *et al.* 1995)

Uplands: *Banksia attenuata* and *B. menziesii* Woodland over *Kunzea glabrescens* Closed Tall Scrub; *Banksia attenuata* and *B. menziesii* Woodlands to Forest with scattered emergent *Eucalyptus calophylla*; *Banksia attenuata*, *B. ilicifolia*, *Nuytsia floribunda* Low Open Forest

Wetlands: *Melaleuca preissiana*, *M. raphiophylla* Low Woodland; *Melaleuca raphiophylla* Low Woodland to Forest; mixed Herbland; *Dielsia stenostachya* Sedgeland

**Scattered Native Plants:** areas of *Eucalyptus gomphocephala*, *E. rudis* and *E. calophylla* Forest to Woodland occur within areas that have been cleared for pasture — regionally significant vegetation recognised as being included in the area of Site in need of protection

**Vegetation Condition:** >60% Very Good to Excellent, <40% Good to Degraded, with areas of severe localised disturbance

**Total Flora:** 335 native taxa (Keighery, BJ, *et al.* 1995) (estimated >90% expected flora of Sites 372 and 368)

**Significant Flora:** Keighery, BJ, *et al.* 1995 — *Stylidium longitubum* (3), *Dillwynia dillwynioides* (3), *Stylidium mimeticum* (3); *Drosera gigantea* subsp. *geniculata* ms, *Stylidium utricularioides*, *Eucalyptus gomphocephala* (unusual record, normally confined to coastal Quindalup and Spearwood Dunes)

**Fauna:** not known

**Linkage:** adjacent bushland to the west; part of Greenway 65 (Tingay, Alan & Associates 1998a); part of a regionally significant fragmented bushland/wetland linkage (Part A, Map 7)

**Other Special Attributes:** mature examples of *Eucalyptus gomphocephala*, *E. rudis*, *Banksia ilicifolia* and *Melaleuca preissiana* in woodlands

#### **SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE**

Entered in the Register of the National Estate

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

**Criteria:** Representation of ecological communities, Rarity, Scientific or evolutionary importance, 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:** Rural Complementary Mechanism (Conservation Zone) (see Table 3, Volume 1).

## LOWLANDS BUSHLAND — WESTERN BLOCK (HYMUS SWAMP), PEEL ESTATE

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### SECTION 1: CADASTRAL INFORMATION

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

**Bushplan Site no.** 372      **Map no.** 94      **Map sheet series ref. no.** 2033-II NW

**System 6 (1983):** Part M105 Part System area bushland, only bushland described

#### Other Names

White Gum Block; Lowlands — western block;  
Lowlands, Hymus Swamp

**Area (ha):** total 141.5; bushland 133.6

#### Local Authorities (Suburb)

Shire of Serpentine-Jarrahdale (Hopeland)

#### Zoning

MRS: Rural

TPS: Rural

#### Ownership Categories

Private

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

**Street name**

807 River Rd

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##### Natural Wetland Groups

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Goegrup (R.4)

**Wetland Management Objectives:** Conservation (114.6ha), Resource Enhancement, Multiple Use

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

#### THREATENED ECOLOGICAL COMMUNITIES

Not assessed

### SECTION 3: SPECIFIC SITE DETAIL

**Landscape Features:** vegetated wetland, vegetated uplands

**Vegetation and Flora:** detailed survey (Keighery, BJ, *et al.* 1995); limited survey (Dames and Moore 1988b, Gibson *et al.* 1994 (Hymus 01-06))

##### Structural Units: mapping (Keighery, BJ, *et al.* 1995)

Uplands: *Banksia attenuata* and *B. menziesii* Woodland over *Kunzea ericifolia* Closed Tall Scrub; *Banksia attenuata* and *B. menziesii* Woodlands to Forest with scattered emergent *Eucalyptus calophylla*; *Banksia attenuata*, *B. ilicifolia*, *Nuytsia floribunda* Low Open Forest

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**Scattered Native Plants:** areas of *Eucalyptus gomphocephala*, *E. rudis* and *E. calophylla* Forest to Woodland occur within areas that have been cleared for pasture — regionally significant vegetation recognised as being included in the area of Bushplan Site in need of protection

**Vegetation Condition:** >60% Very Good to Excellent, <40% Good to Degraded, with areas of severe localised disturbance



**Total Flora:** 335 native taxa (Keighery, BJ, *et al.* 1995) (estimated >90% expected flora of BS372 and 368)

**Significant Flora:** Keighery, BJ, *et al.* 1995 — *Stylidium longitubum* (3), *Dillwynia dillwynioides* (3), *Stylidium mimeticum* (3); *Drosera gigantea* subsp. *geniculata* ms, *Stylidium utricularioides*, *Eucalyptus gomphocephala* (unusual record, normally confined to coastal Quindalup and Spearwood Dunes)

**Fauna:** no known information

**Linkage:** adjacent bushland in the south, east and west; part of proposed Greenway 81 (Tingay, Alan & Associates 1997a); part of a regionally significant fragmented bushland/wetland linkage (Volume 2A, Map 8)

**Other Special Attributes:** mature examples of *Eucalyptus gomphocephala*, *E. rudis*, *Banksia ilicifolia* and *Melaleuca preissiana* in woodlands

#### **SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE**

Listed on the Register of the National Estate

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

**Criteria:** Representation of ecological communities, Rarity, Scientific or evolutionary importance, 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

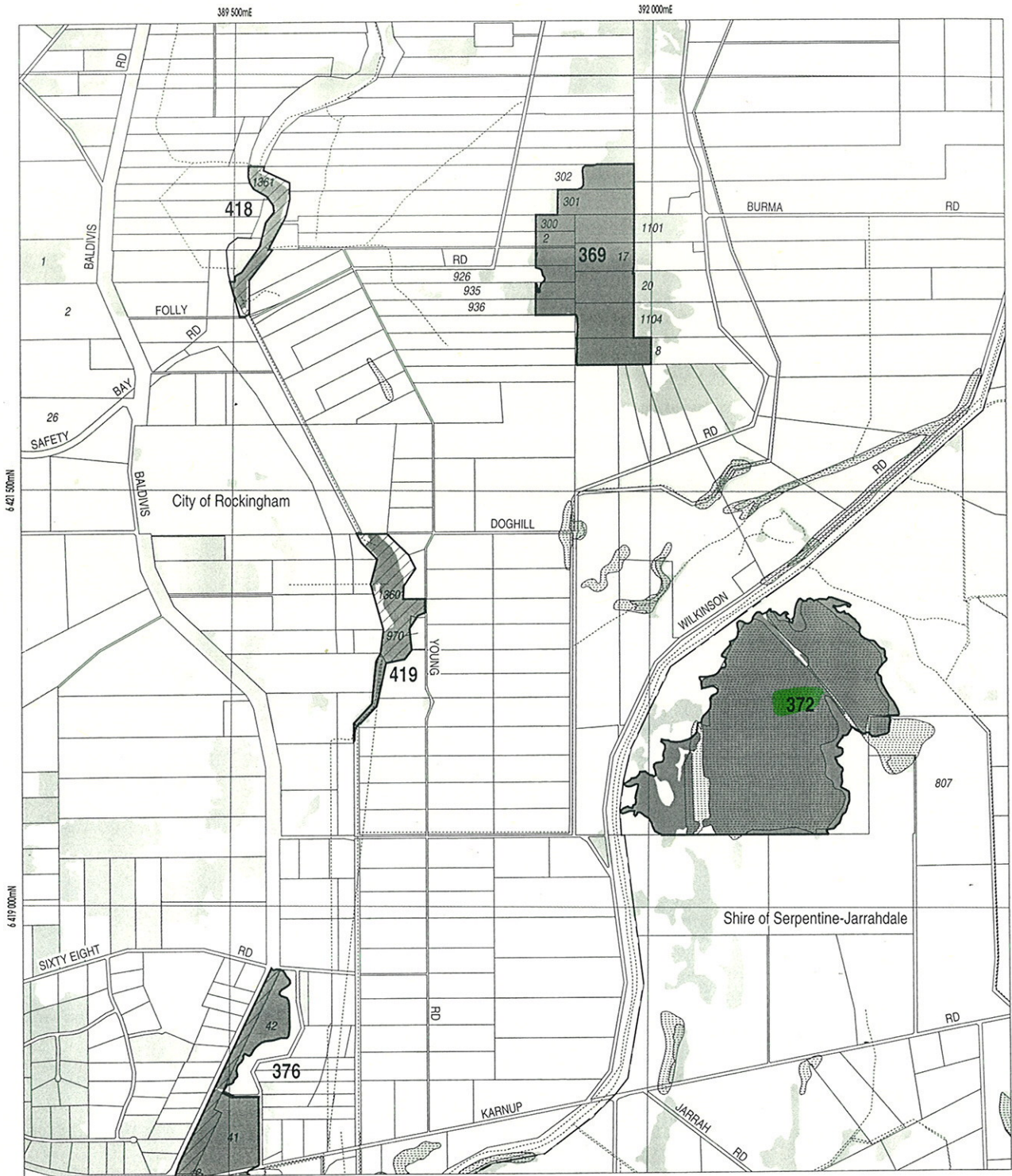
#### **Opportunities and/or Constraints**

**Opportunities:** Bushplan Site subject to Peel-Harvey Estuary EPP/SPP; location of conservation category wetlands

**Constraints:** private land; General Mineral Resource Area (clay)

**Recommendation:** The private ownership and management intent of the Bushplan Site is endorsed. Appropriate mechanisms to support and reinforce existing management for conservation and to provide long-term security to be applied in consultation with the land owner(s).

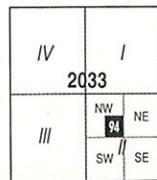




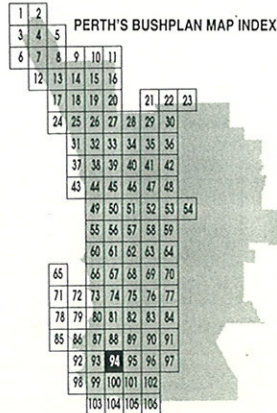
**LEGEND**

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

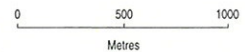
**2033 - II NW**



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



**SCALE**

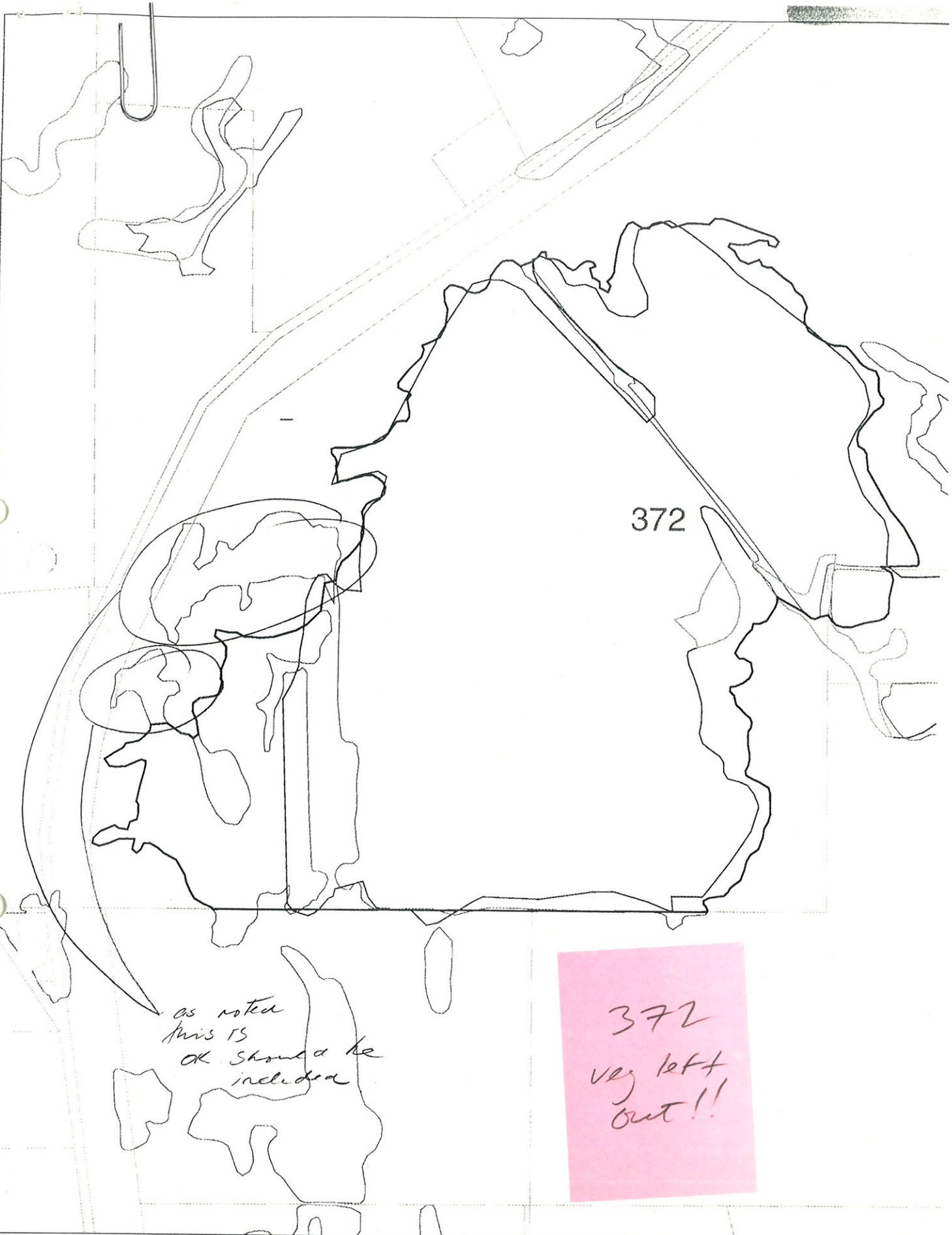


Produced by Project Mapping Section  
Land Information Branch, Ministry for  
Planning, Perth W.A. November 1998  
ntw-map177/environ/bushplan/bushv2\_94.dgn

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



372

as noted  
this is  
OK should be  
included

372  
veg left  
out!!

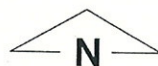
BUSHPLAN SITES CORRECTED



WESTERN  
AUSTRALIAN  
PLANNING  
COMMISSION



CUSTOMER  
FOCUS  
WESTERN AUSTRALIA

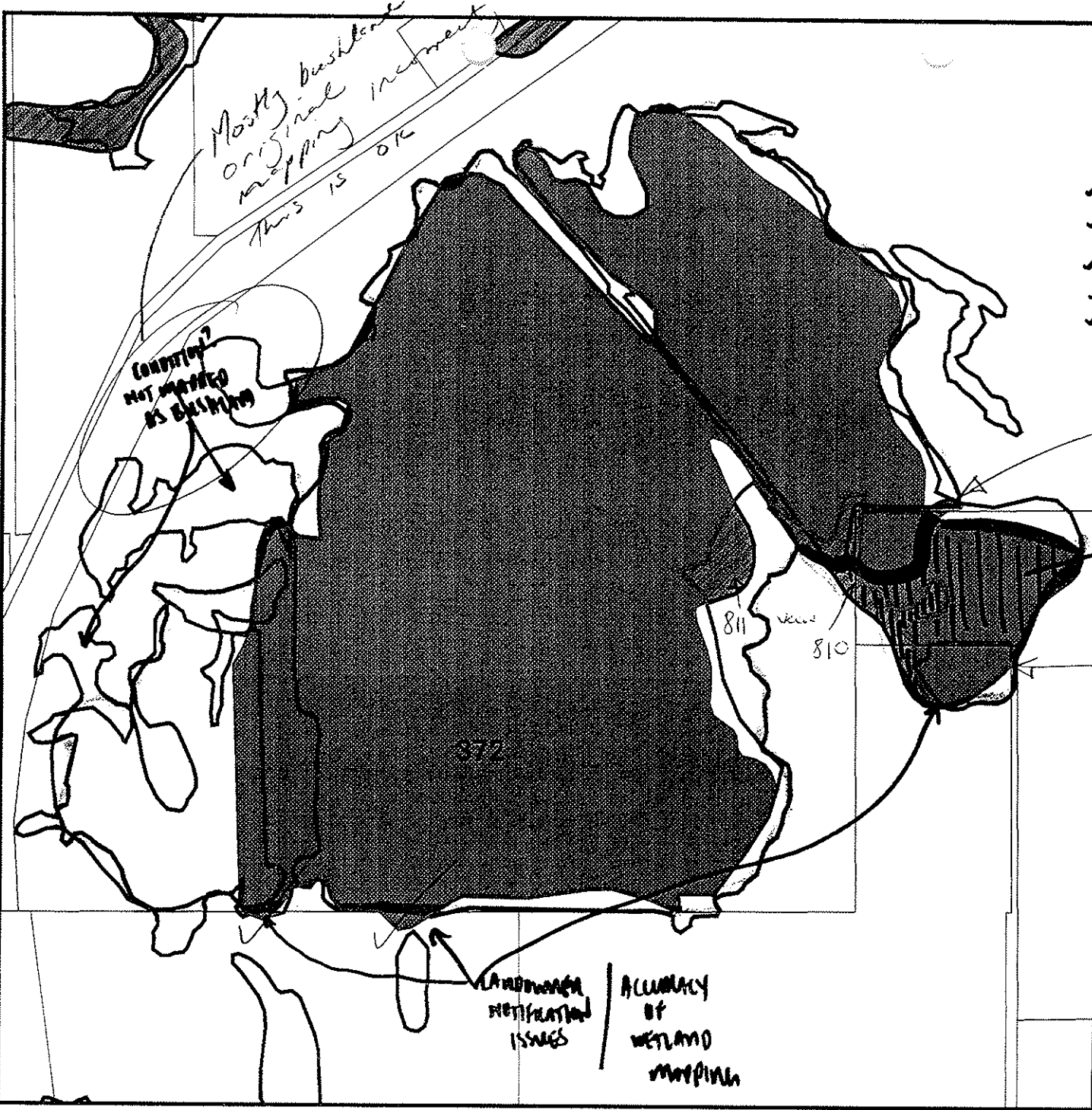


B BK 28/1

bp site 372

ACTUAL PLOT 1st FEB 02

- AG VEG 1998 BOUNDARY THEME
- Cadastre
- Bushplan sites refno 1-500 SCP BOUNDARY
- cons category wetlands
- Verified CCWs



Boundary here please then rest OK

NOT VERIFIED

This veg does not warrant inclusion

There is a report on most of this area Keighery et al 199 which maps veg. It is not all wetland.

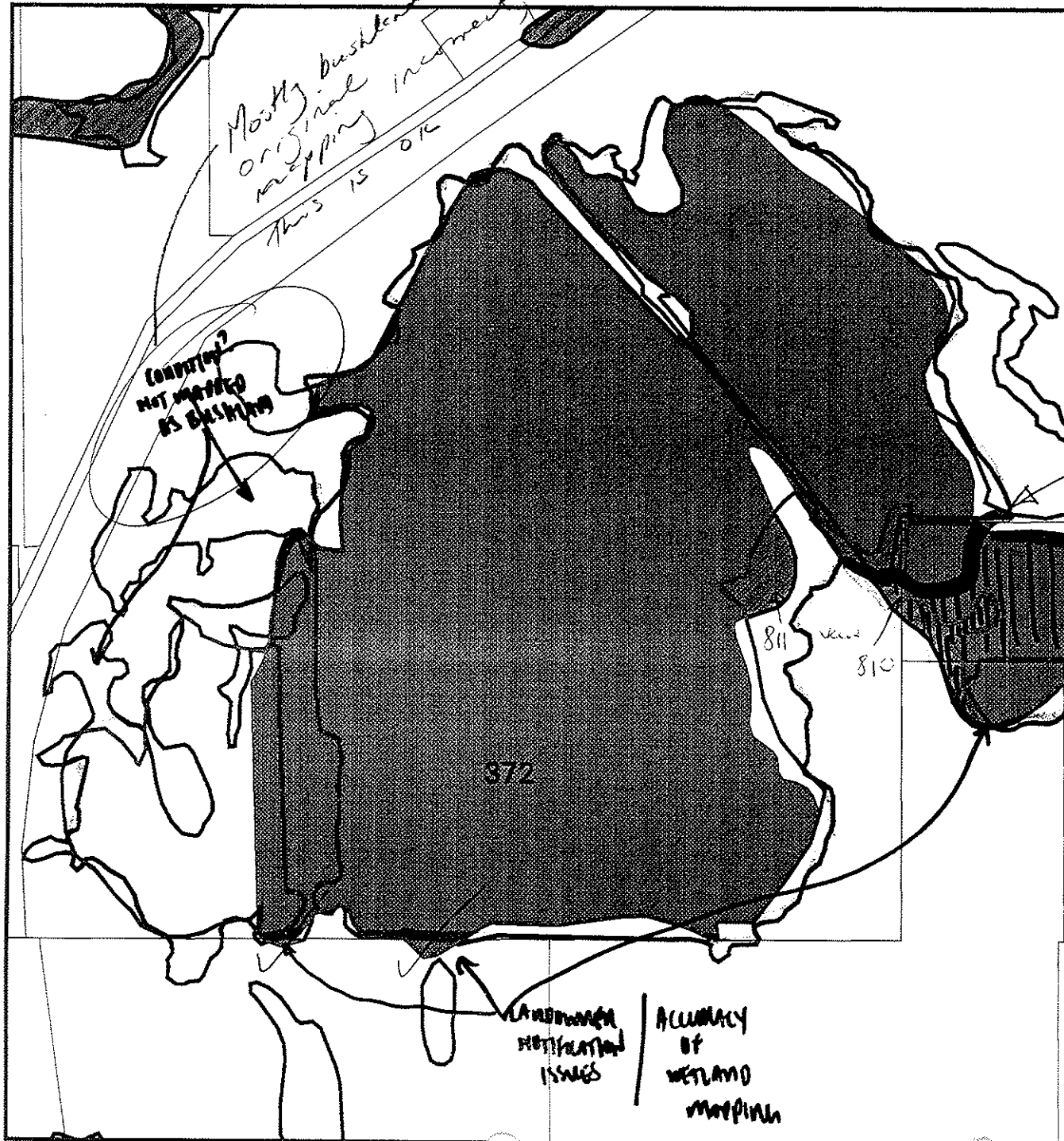
LANDOWNER NOTIFICATION ISSUES / ACCURACY OF WETLAND MAPPING

MFP INTERNAL USE ONLY
Prepared By: Andrea Zappacosta
Prepared For:
Map Ident: plot980603_1
Date: 03 Jun 98
Scale 1: 10173

bp site 372

ACTUAL NOT 1st DES II

- AG VEG 1998 BOUNDARY THEME
- Cadastre
- Bushplan sites refno 1-500 SCP BOUNDARY
- cons category wetlands
- Verified CCWs



Boundary here please then rest

NOT VERIFIED

This veg does not warrant inclusion

There is a report on most of this area Keighery et al 1999 which maps veg. It is not all wetland.

CONDITION? NOT MARKED AS BUSHLAND

Mostly bushland original mapping incorrect this is ok

LANDOWNER NOTIFICATION ISSUES | ACCURACY OF WETLAND MAPPING

MFP INTERNAL USE ONLY  
 Prepared By: Andrea Zappacosta  
 Prepared For:  
 Map Id: plot980603\_1  
 Date: 03 Jun 98  
 Scale 1: 10173

- to incorporating this area in the Shire's Conservation Zone Policy Area, through the Rural Strategy Review process. (Area 33.2 ha)
- xiii. Serpentine National Park & adjacent bushland Site [redacted] Vol 2 115-116 CALM managed land. Major need for weed control in National Park and adjacent state government lands.
- xiv. Kingsbury Drive Bushland Site [redacted] Vol 2 Pg 117 Council notes the importance of this vegetation and believes that protection and management of the site's vegetation is best achieved by working directly with the affected landowners. Consideration may be given to incorporating this area in the Shire's Conservation Zone Policy Area, through the Rural Strategy Review process. (Area 40.6 ha). One-to-one consultation with landowners is required.
- xv. Myara Brook Bushland Site [redacted] Vol 2 pg 118 -119, known locally as the Myara Brook Reserve; currently undergoing vesting change to be vested with Local Authority for the purposes of protection of Indigenous Flora and Fauna. Active management by local authority and community with support of federal and state government grants. Council supports retention of reserve, with assistance from State Government to fund management.
- xvi. Anketell Road Bushland Site [redacted] 347, Vol 2 Pg 213-214; Shire supports inclusion of land within Jandakot Botanical Park, except for cleared areas which should be assessed for alternative or complementary uses. Council proposes to site the Oakford voluntary Fire Brigade and a small meeting place on a 4000 m2 lot on the Pony Way frontage. This site is surrounded by a clearing of over 20 ha. Usage of this small portion of the clearing for community uses is complementary to the protection of the remaining 558.1 ha.
- xvii. Modong Nature Reserve and adjacent bushland Site [redacted] 348 Vol 2 pg 219 - Council notes the importance of this vegetation and the inclusion of private property.
- xviii. Duckpond Bushland Site [redacted] Vol 2 pg 222. Council notes the importance of this vegetation. Council believes that protection and management of the site's vegetation is best achieved by working directly with the affected landowners. Consideration may be given to incorporating this area in the Shire's Conservation Zone Policy Area, through the Rural Strategy Review process (area: 23.5 ha). One-to-one consultation with landowners is required.
- xix. Banksia Road Nature Reserve Site [redacted] Vol 2 pg 223-224. CALM estate.
- xx. Lowlands Bushland Site [redacted] 358 & [redacted] Vol 2 pg 224-227. Council notes the inclusion of this site in Perth's Bushplan. These sites are two of three properties currently before the Ministry for Planning for rezoning to Conservation. It is important that the rezonings be finalized as a matter of priority, so that an example is set for the Perth Metropolitan Area.
- xxi. Henderson Road Bushland Site [redacted] 359 Vol 2 pg 229-230. Council notes the importance of this vegetation. Assistance needs to be given to landowners to fence off vegetation from stock. Council believes that protection and management of the site's vegetation is best achieved by working directly with the affected landowners. Consideration may be given to incorporating this area in the Shire's Conservation Zone Policy Area, through the Rural Strategy Review process. One-to-one consultation with landowners is required.
- xxii. Yangedi Swamp and adjacent Bushland, Site [redacted] 360, pg 230-231, Council notes the importance of this vegetation. Assistance needs to be given to landowners to fence off vegetation from stock. Consideration will be given to incorporating this area in the Shire's Conservation Zone Policy Area, through the Rural Strategy Review process. One-to-one consultation with landowners is required. The site also includes one property currently before the Ministry for Planning for rezoning to Conservation. It is important that the rezoning be finalized as a matter of priority, so that an example is set for the Perth Metropolitan Area and other landowners. One-to-one consultation with landowners is required.
- xxiii. Wungong Brook Site [redacted] 361 Vol 2 pg 402-403 Council notes the importance of this vegetation. Protection of the vegetation should be achieved through its inclusion in the proposed public reserve.

**ALREADY ENTERED ON GIS**

**Name:** Floristics of Lowlands

**See:** 'PEEL FILES'



FLORISTICS of LOWLANDS

by Bronwen Keighery, Gregory Keighery and Neil Gibson.

**Full document  
available  
on request**