

STATE FOREST 65 — PINJAR PLANTATION CENTRAL BUSHLAND, YANCHEP

Boundary Definition: protected area with bushland boundary (remnants in pine plantation)

SECTION 1: LOCATION INFORMATION

Bush Forever Site no. 1, 408–411, 414, 415 **Area (ha):** bushland 456.3 (7 remnants, from 3.7 - 218.8 ha)

Map no. 9, 14 **Map sheet series ref. no.** 2034–I NW, 2034–IV NE

Other Names: part of proposed Gnangara Park

Local Authorities (Suburb): Shire of Wanneroo (Yanchep)

Includes CALM Managed Land: State Forest 65, Reserve 39414 (Quarry — limestone)

SECTION 2: REGIONAL INFORMATION

LANDFORMS AND SOILS

Bassendean Dunes

Bassendean Sands (Qpb: S8)

Spearwood Dunes

Sands derived from Tamala Limestone (Qts: S7)

Tamala Limestone (Qtl: LS1, LS2)

VEGETATION AND FLORA

Vegetation Complexes

Spearwood Dunes

Karrakatta Complex — Central and South (most northern occurrence)

Cottesloe Complex — North

Cottesloe Complex — Central and South

Floristic Community Types: not sampled, types not inferred

Supergroup 4: Uplands centred on Spearwood and Quindalup Dunes

WETLANDS

No wetlands mapped

THREATENED ECOLOGICAL COMMUNITIES

Not determined

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: vegetated uplands

Vegetation and Flora: limited survey (Connell 1995, McArthur and Mattiske 1985)

Structural Units: mapping (McArthur and Mattiske 1985)

Uplands — Tamala Limestone: Open to Closed Heath dominated by *Dryandra sessilis* var. *cygnorum*, *Melaleuca huegelii* and *Grevillea* species

Uplands — Sands derived from Tamala Limestone: *Banksia* species Woodland with scattered emergent *Eucalyptus gomphocephala* and *E. marginata*; *Banksia* spp. Woodland with scattered *Eucalyptus tottiana* and *E. marginata*

Vegetation Condition: Very Good (Connell 1995)

Total Flora: not known

Significant Flora: none recorded

Fauna: not known

Linkage: no adjacent bushland

Other Special Attributes: included in Gnangara Park proposal (Bailey 1997); majority recommended for protection in the study of City of Wanneroo bushland (Trudgen 1996)

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Not listed

SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS

Criteria: Representation of ecological communities, Criteria not relevant to determination of regional significance, but which may be applied when evaluating areas having similar values

Recommendation: Sites with Some Existing Protection; the existing care, control and management of these Sites is endorsed (proposed 'Gnangara Park' – Cabinet 1996; see Table 3, Volume 1).

STATE FOREST 65 — PINJAR PLANTATION CENTRAL BUSHLAND, YANCHEP

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SECTION 1: CADASTRAL INFORMATION

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

Bushplan Site no. 1, 408-411, 414, 415 **Map no.** 14, 15, 18, 19 **Map sheet series ref. no.** 2034-I
NW, 2034-IV NE

Other Names: not known

Area (ha): total 456.4; total bushland 456.3 (7 remnants, from 3.7 to 218.8 ha)

Local Authorities (Suburb)

Shire of Wanneroo (Yanchep)

Zoning

MRS: State Forests

TPS: Landscape

Ownership Categories

State Government

Lot/Location/Reserve numbers (Purpose),

Street name

65, 10654 street not identified

State Forest 65, Reserve 39414 (Quarry - limestone)

CALM Managed Land

SECTION 2: REGIONAL INFORMATION

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Bassendean Sands (Qpb: S8)

Spearwood Dunes

Sands derived from Tamala Limestone (Qts: S7)

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No wetlands mapped

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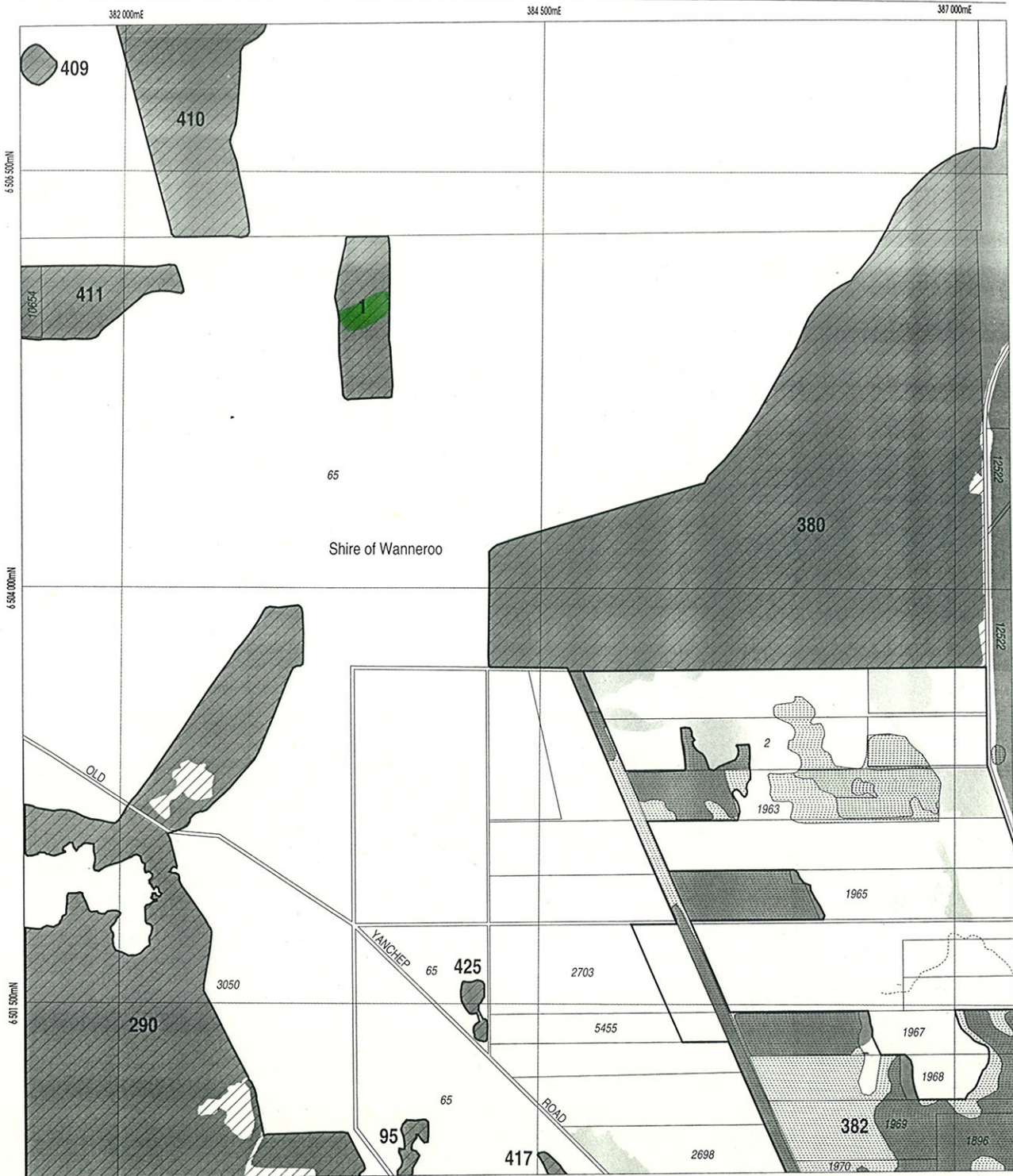
Opportunities and/or Constraints

Opportunities: Bushplan Site/part Bushplan Site subject to Gnangara Mound Crown Land EPP; under TPS Landscape Zoning

Constraints: under General and Priority Mineral Resource Area (limestone)

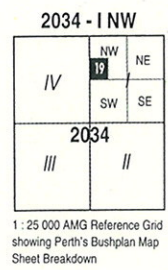
Recommendation: The existing care, control and management of this Bushplan Site is endorsed. This site lies within the proposed 'Gnangara Park' (concept announced by Cabinet in 1996) within which areas of remnant native vegetation, such as this Bushplan Site, should be managed in the future to retain and enhance their conservation values.





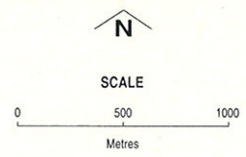
LEGEND

- 472 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

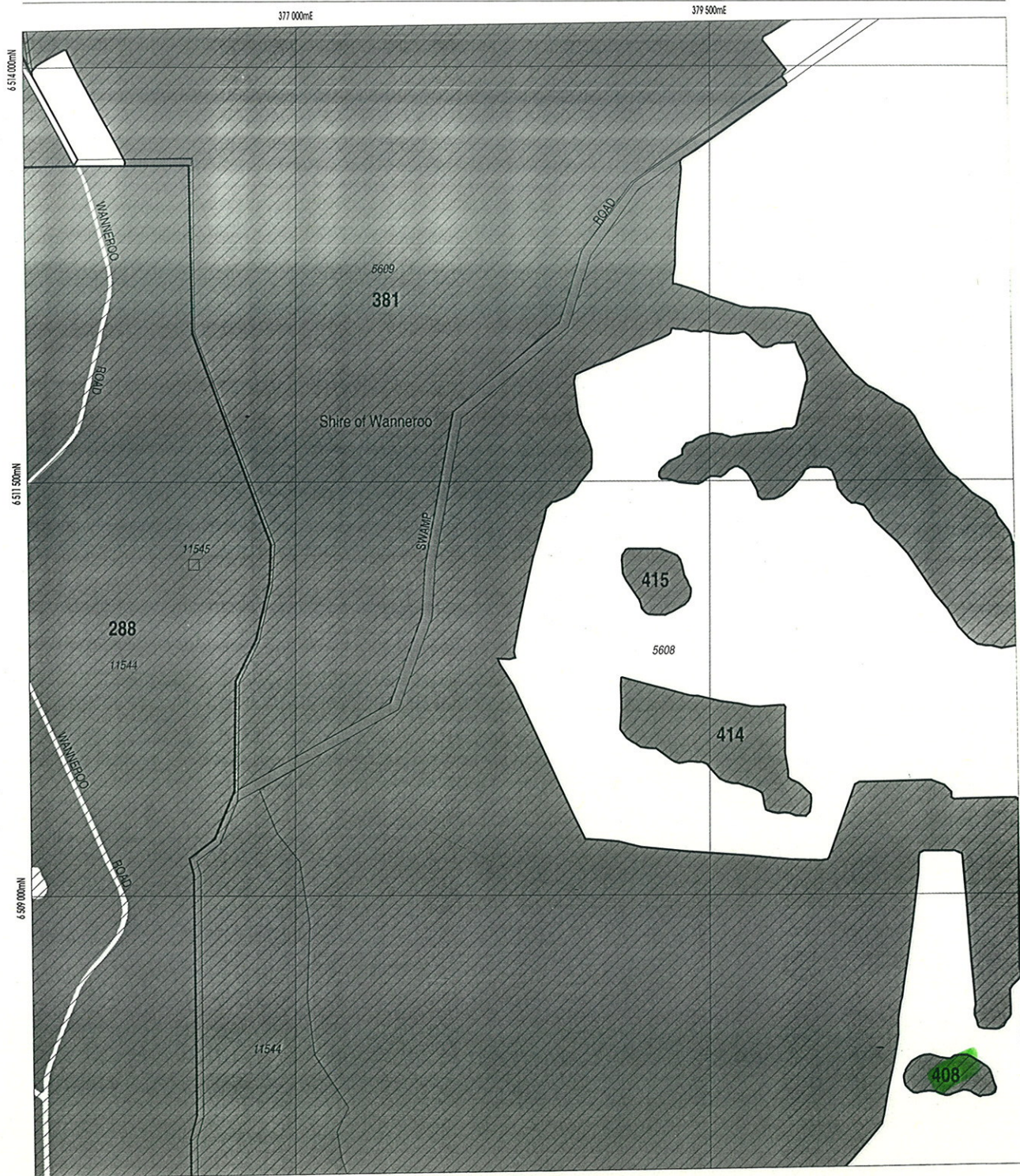


PERTH'S BUSHPLAN MAP INDEX

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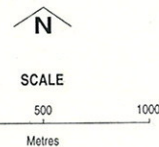
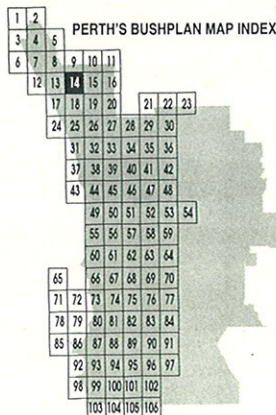
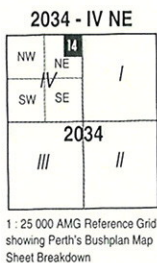


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Land Information Branch, Ministry for
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ntw-map7/environ/bushplan/bushv2_19.dgn
Cadastral Data supplied by Department
of Land Administration, W.A.
Wetlands Data supplied by
Water and Rivers Commission
Native Vegetation Extent for Study Area
supplied by Agriculture Western Australia

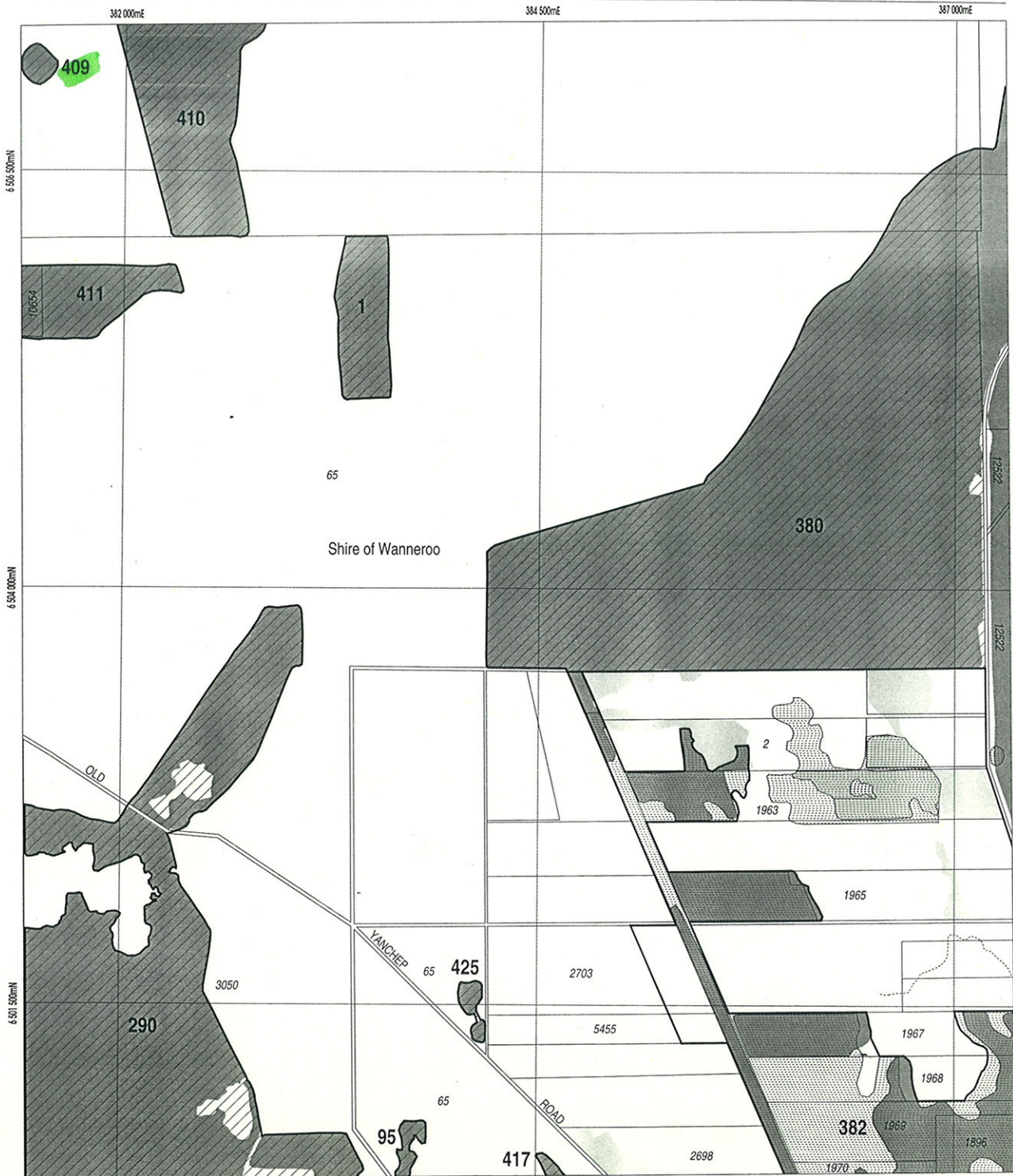


LEGEND

- 472** Bushplan Sites With Regionally Significant Bushland
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- Conservation Category Wetlands
- Bushplan Sites With Some Existing Protection
- Lot Number, Location Number
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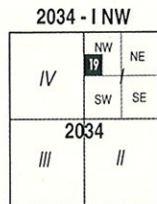


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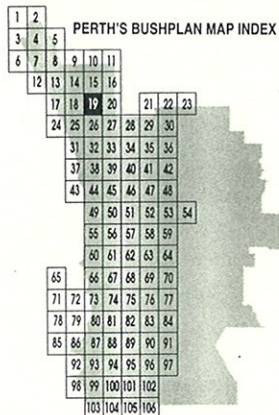
LEGEND

- 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

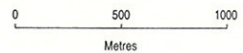


1 : 25 000 AMG Reference Grid showing Perth's Bushplan Map Sheet Breakdown

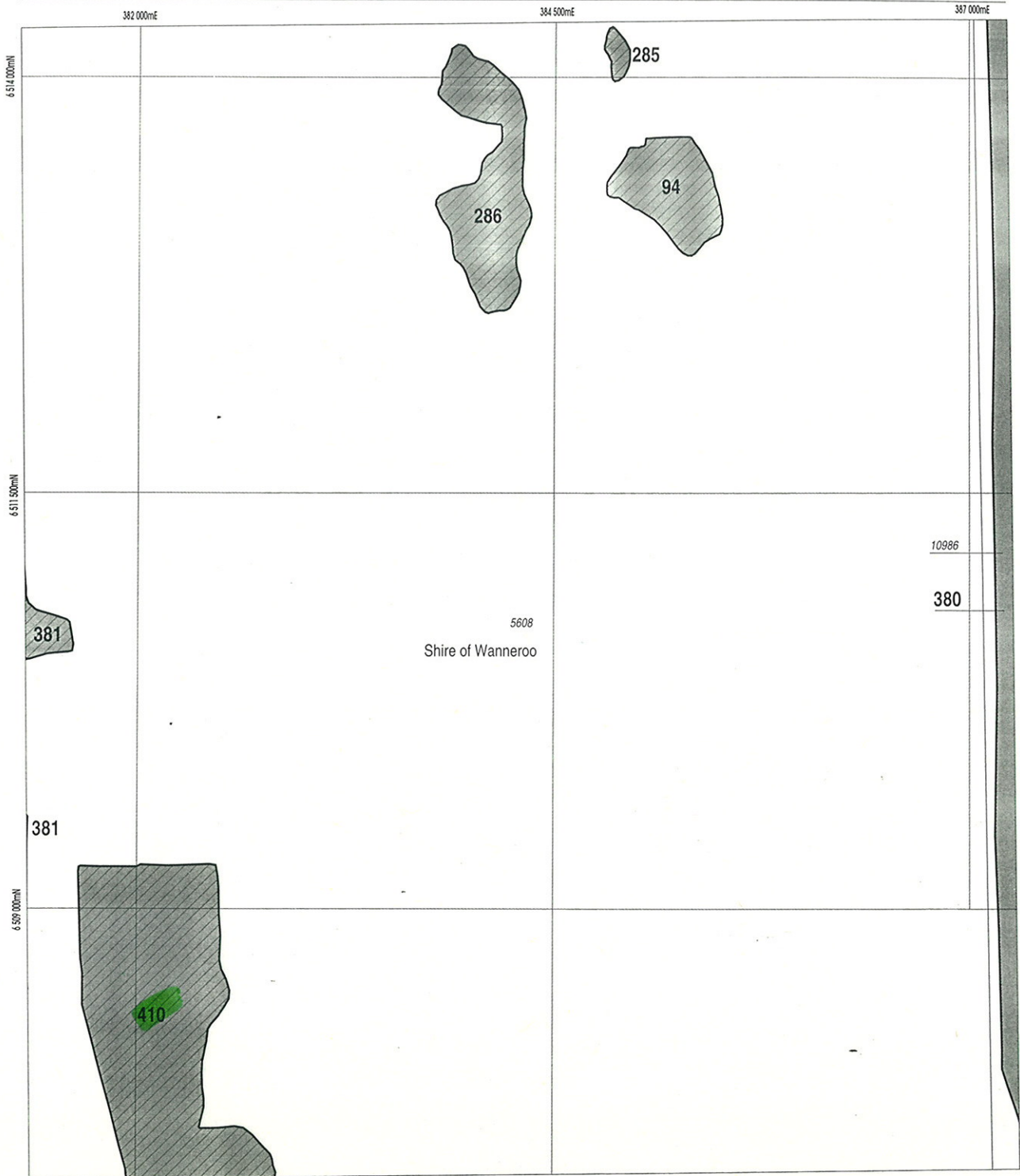
PERTH'S BUSHPLAN MAP INDEX



SCALE



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 Native Vegetation Extent for Study Area
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LEGEND

- 472 Bushplan Sites With Regionally Significant Bushland
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1 : 25 000 AMG Reference Grid showing Perth's Bushplan Map Sheet Breakdown

PERTH'S BUSHPLAN MAP INDEX

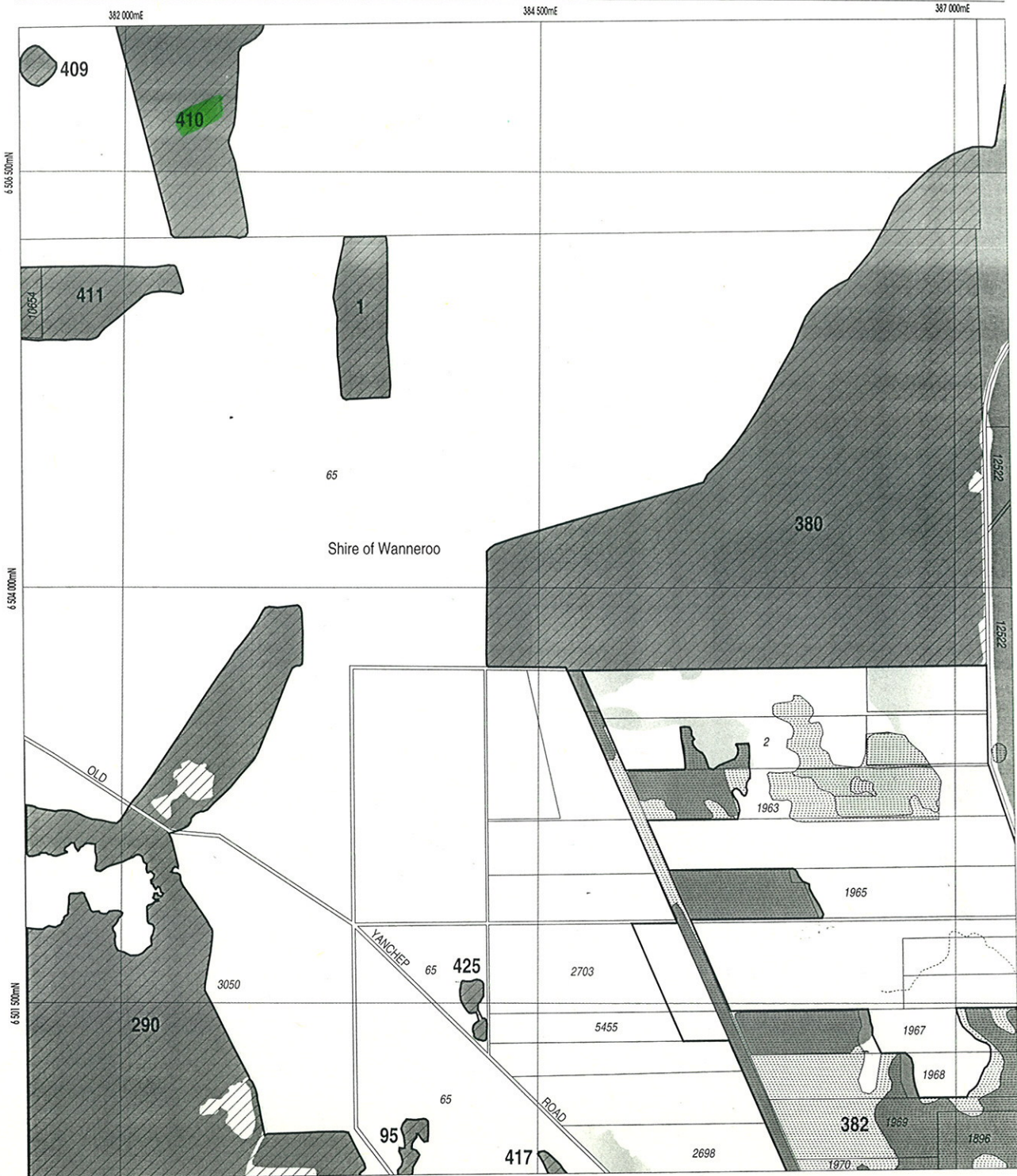
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SCALE

0 500 1000

Metres

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Wetlands Data supplied by
Water and Rivers Commission
Native Vegetation Extent for Study Area
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2034 - I NW

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Metres

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Native Vegetation Extent for Study Area
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LEGEND

- Bushplan Sites With Regionally Significant Bushland
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2034 - IV NE

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SCALE

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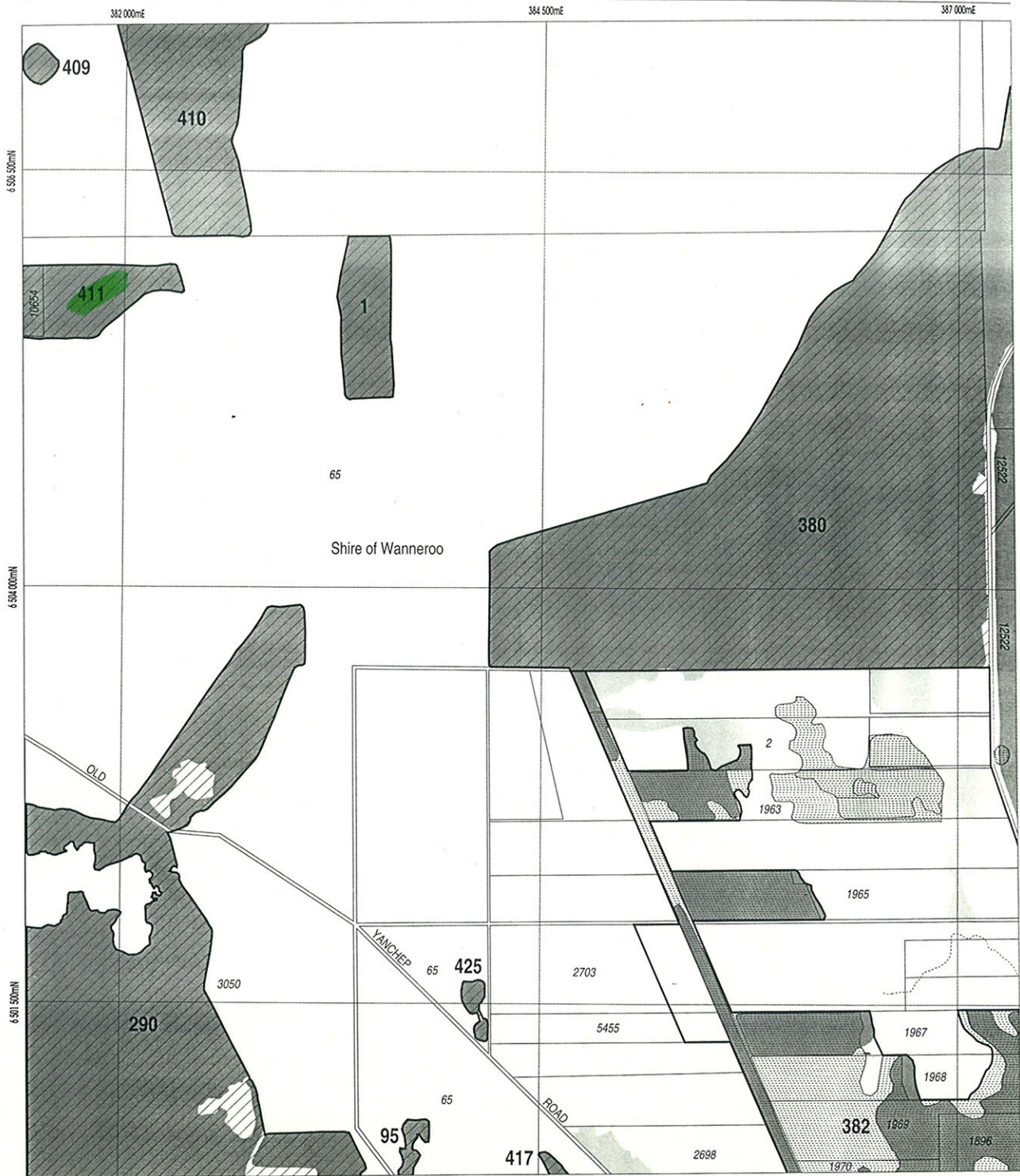
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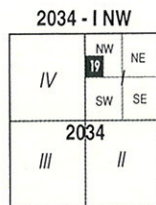
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Native Vegetation Extent for Study Area
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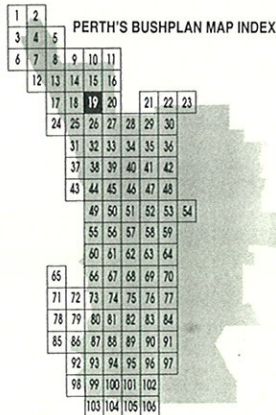


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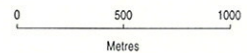
- 472** Bushplan Sites With Regionally Significant Bushland
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1 : 25 000 AMG Reference Grid showing Perth's Bushplan Map Sheet Breakdown



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Wetlands Data supplied by
Water and Rivers Commission
Native Vegetation Extent for Study Area
supplied by Agriculture Western Australia

OK BJK 1/7/98

1

BUSHPLAN SITES CORRECTED

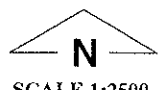
B to BJK 21/10/98



WESTERN AUSTRALIAN PLANNING COMMISSION



CUSTOMER FOCUS WESTERN AUSTRALIA



Metres

OK BJK 1/7/88

1

BUSHPLAN SITES CORRECTED



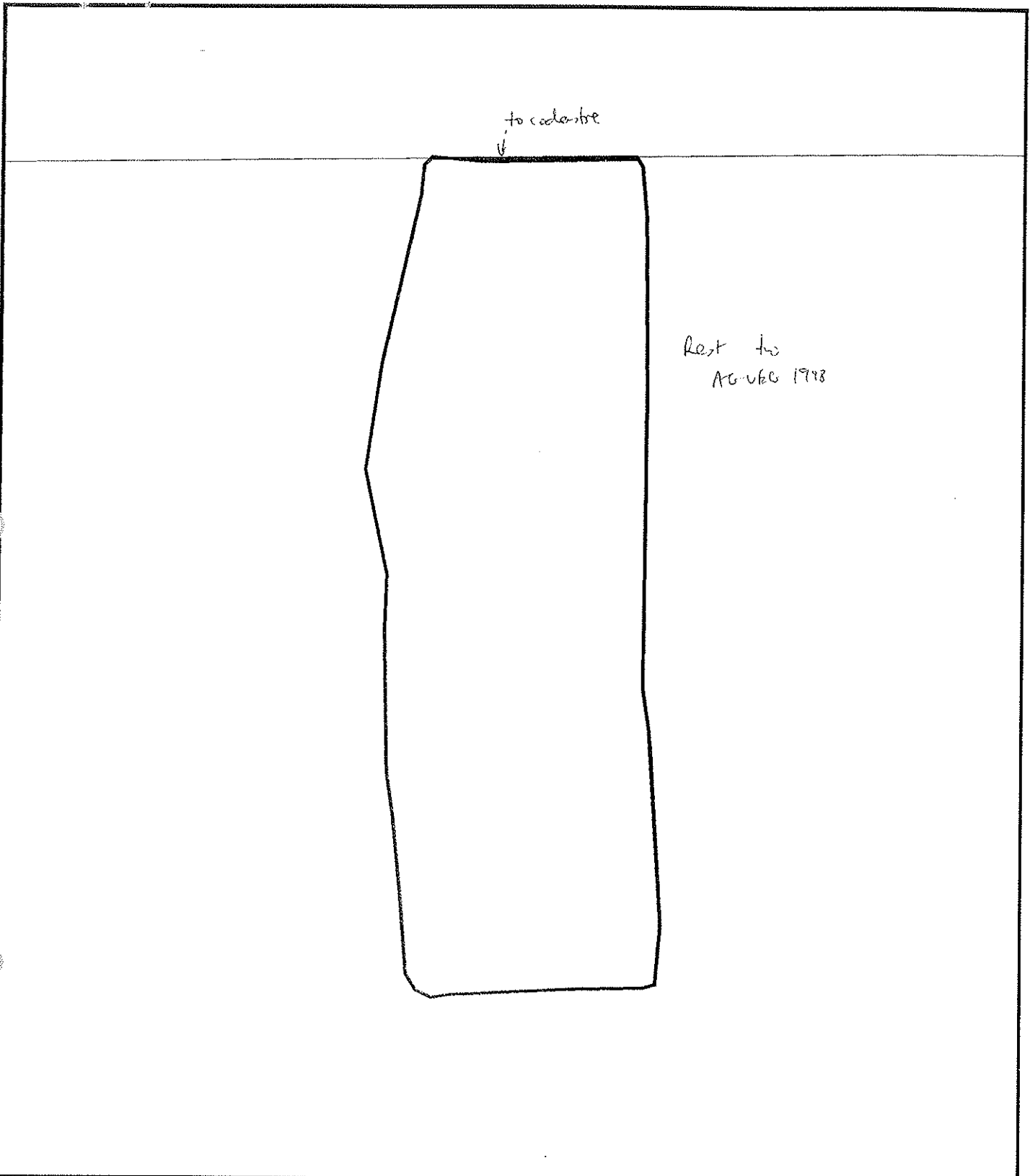
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SCALE 1:2500



Metres



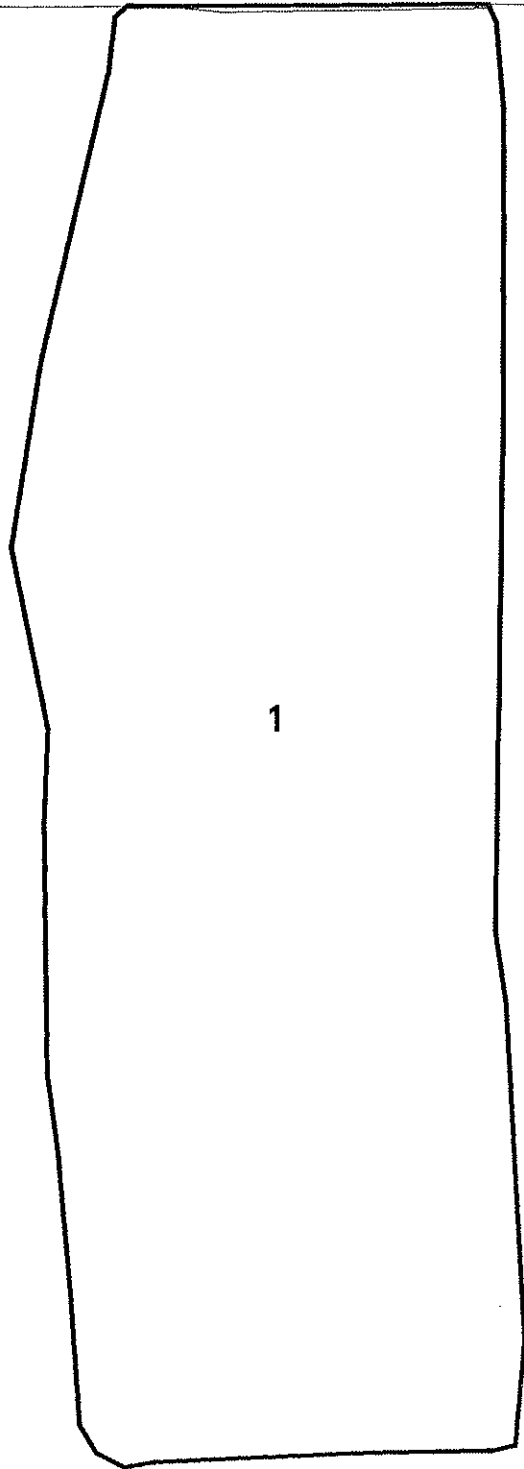
bp site 1

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

MFP INTERNAL USE ONLY
 Prepared By: Andrea Zappacosta
 Prepared For:
 Map Ident: plot980515_1
 Date: 15 May 98
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

Cadastre - North
 AG-VEG 1998 - rest of linework.





1

**bp site 1
amended**

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

MFP INTERNAL USE ONLY
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Prepared For:
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408

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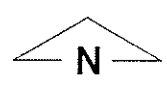


WESTERN AUSTRALIAN PLANNING COMMISSION



CUSTOMER FOCUS WESTERN AUSTRALIA

B BK/76 2/10/76



bp site 408

381



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

OK BJK 23/9

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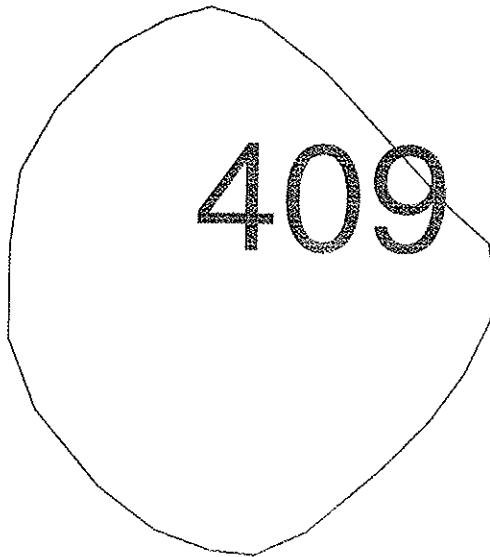
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Prepared For:

Map Ident: plot980526_1

Date: 26 May 98

Scale 1: 4092



BUSHPLAN SITES CORRECTED

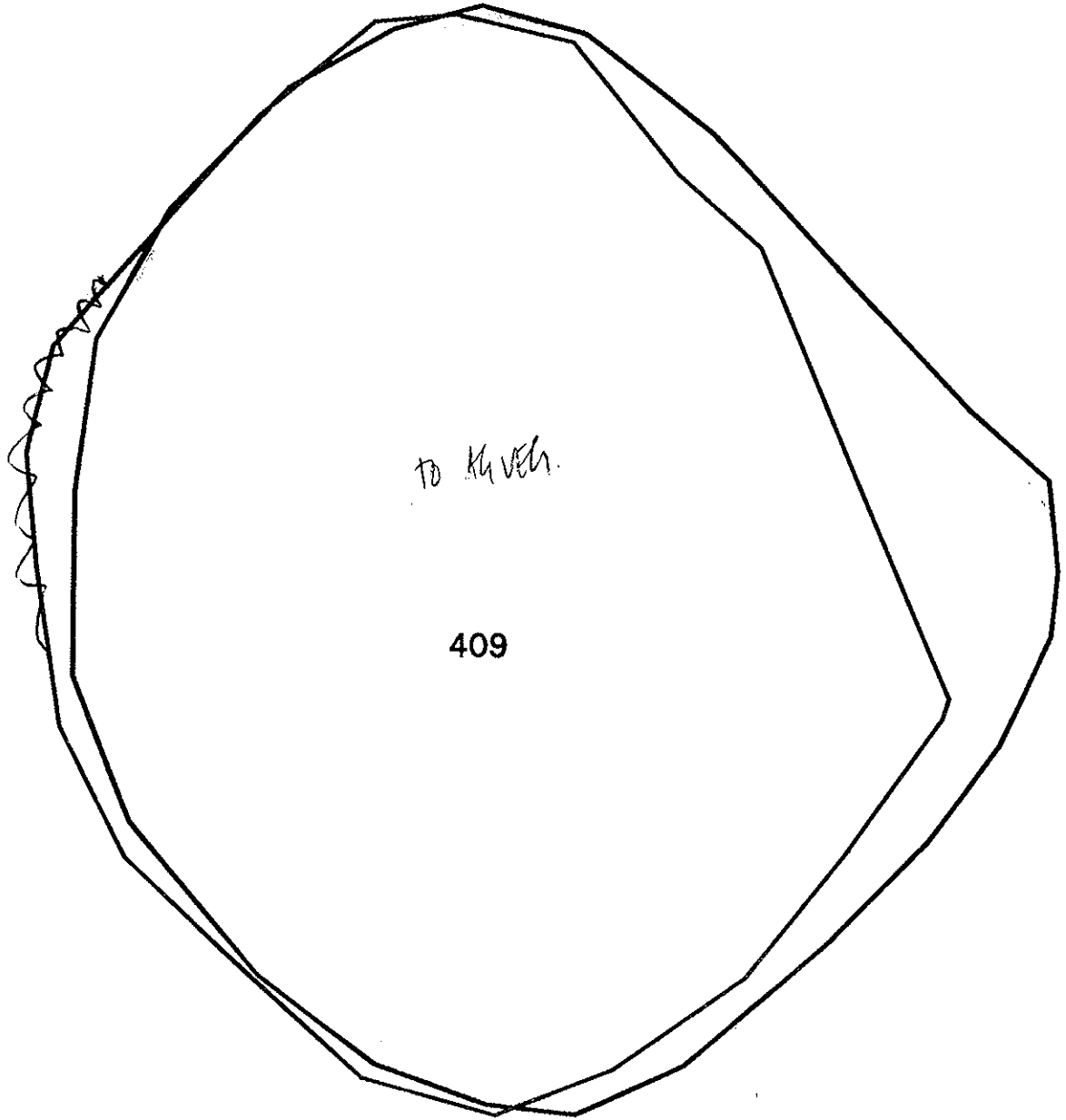


WESTERN
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COMMISSION



B 15/BK 21/10/88





bp site 409

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

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Prepared By: Andrea Zappacosta
Prepared For:
Map Ident: plot980526_1
Date: 26 May 98
Scale 1:1501

OK BJK 23/9



BUSHPLAN SITES CORRECTED

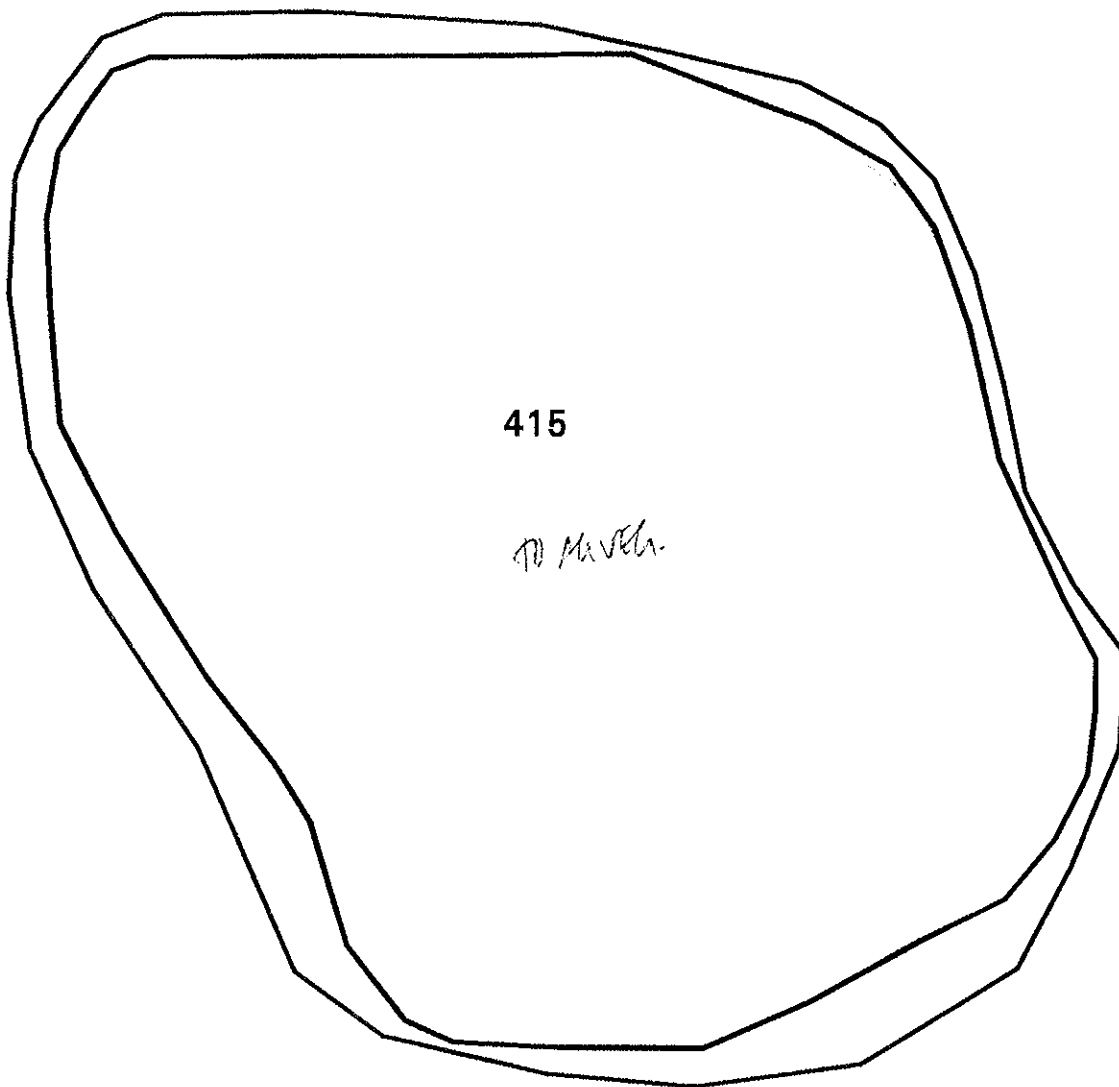


WESTERN AUSTRALIAN PLANNING COMMISSION



L. TC/BR 2/10/96





bp site 415

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

MFP INTERNAL USE ONLY

Prepared By: Andrea Zappacosta

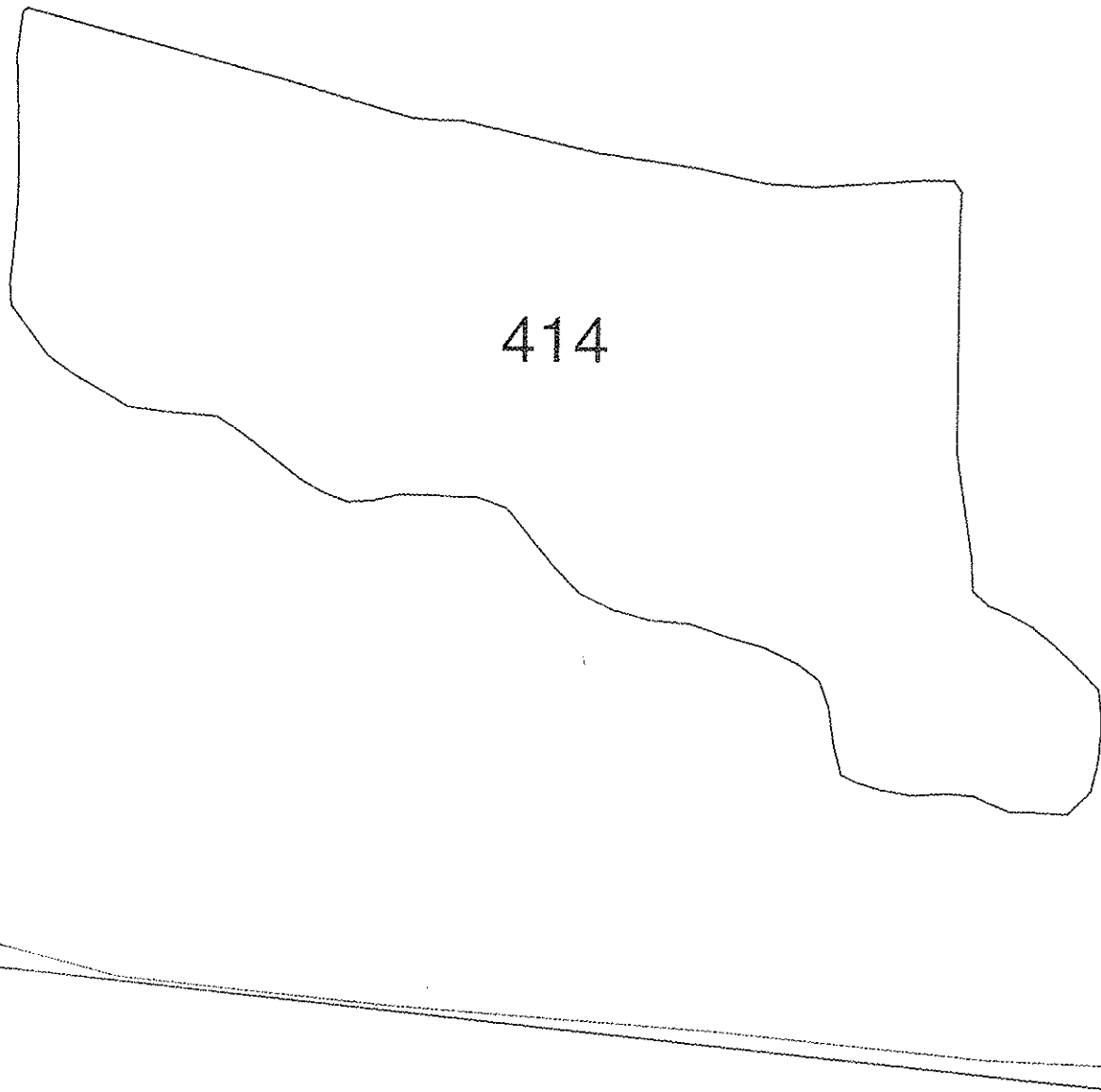
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Date: 26 May 98

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OK BJK 23/7



414

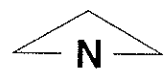
BUSHPLAN SITES CORRECTED



WESTERN AUSTRALIAN PLANNING COMMISSION

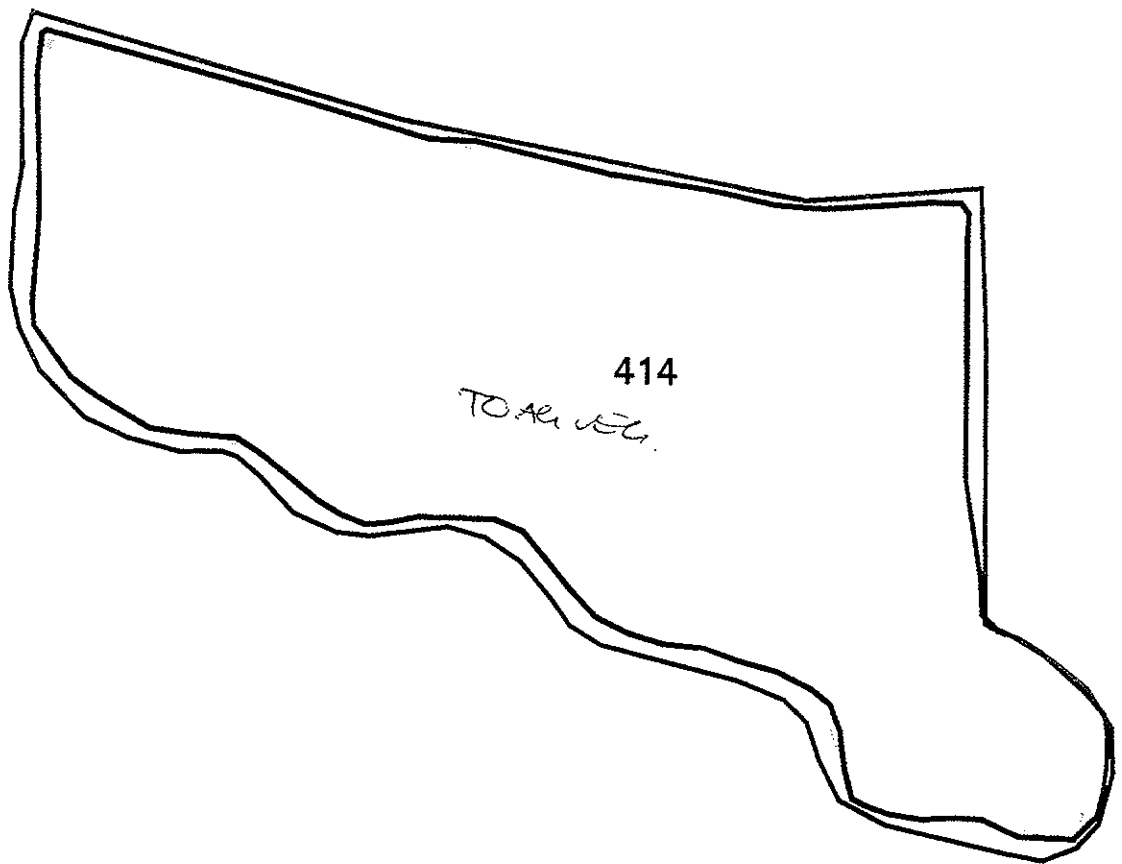


G 70/812 2/11/18



bp site 414

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



OK BJK 23/9

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MFP INTERNAL USE ONLY
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Prepared For:
Map Ident: plot980526_1
Date: 26 May 98
Scale 1: 8041

408

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411

BUSHPLAN SITES CORRECTED

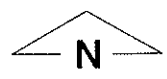


WESTERN AUSTRALIAN PLANNING COMMISSION



CUSTOMER FOCUS WESTERN AUSTRALIA

0 TC/BK 21/10/58



bp site 411

410

409

381

411

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

OK BJK 23/7

MFP INTERNAL USE ONLY

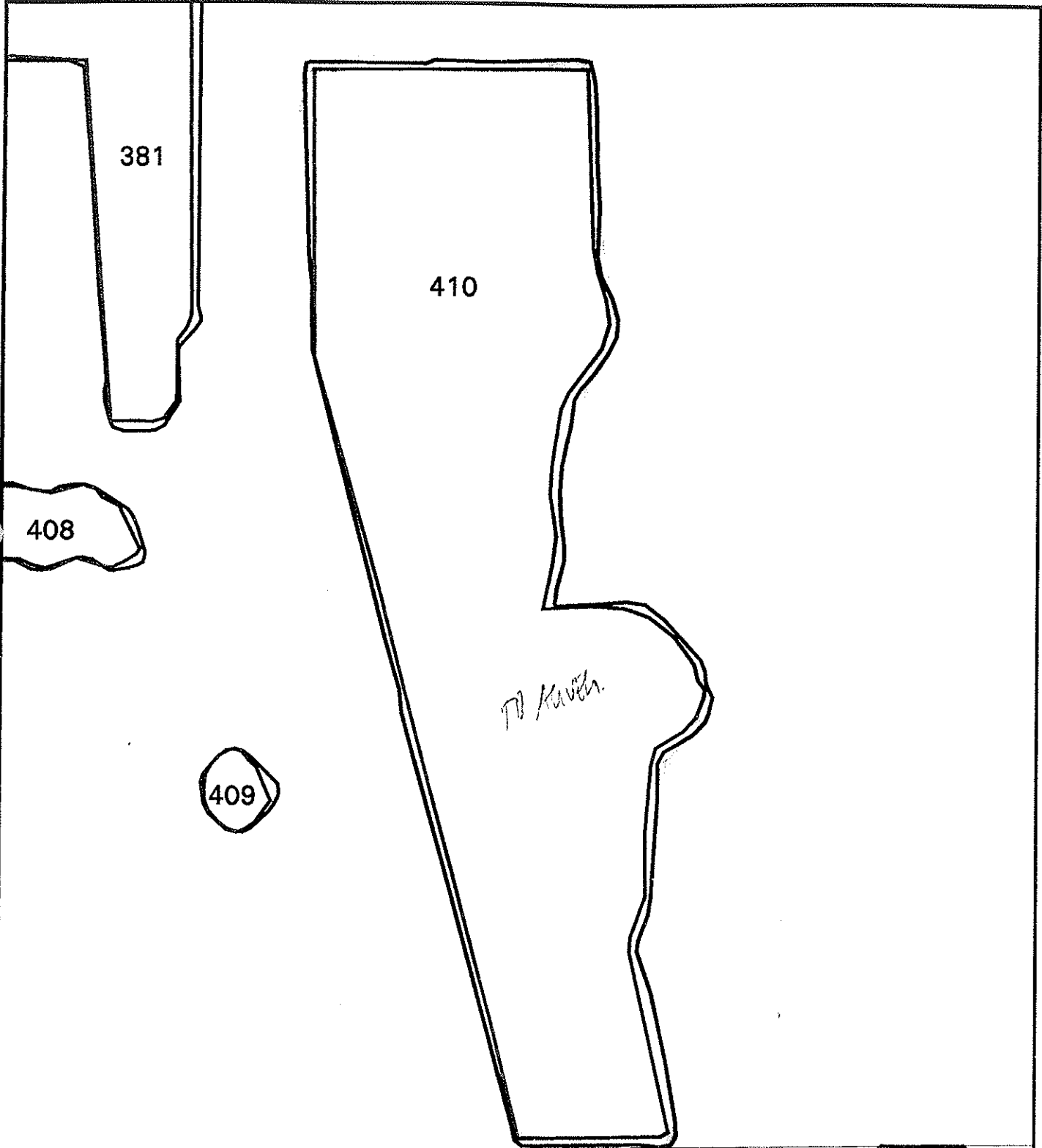
Prepared By: Andrea Zappacosta

Prepared For:

Map Ident: plot980526_1

Date: 26 May 98

Scale 1: 14847



1

bp site 410

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

OIL ERJK 23/7

| |
|--------------------------------|
| MFP INTERNAL USE ONLY |
| Prepared By: Andrea Zappacosta |
| Prepared For: |
| Map Ident: plot980526_1 |
| Date: 26 May 98 |
| Scale 1:16069 |

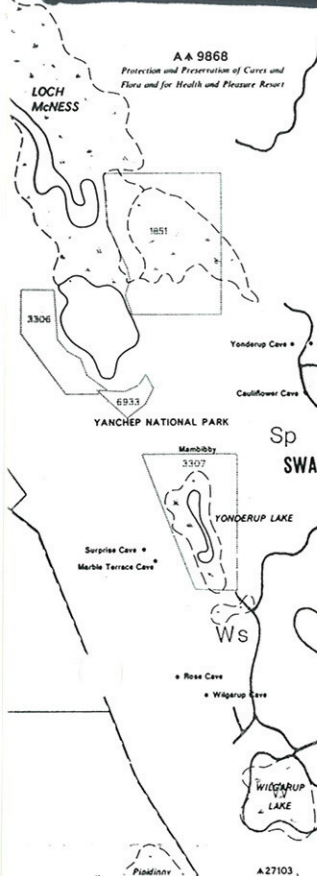
BS1 (+BS408-411, 414+415)

Small irregular dunes

Small irregular dunes

BS 410

veg. description updated 2/8/8



SPEARWOOD DUNES

| | | |
|-----|-------------------|--|
| Ky | Karrakatta-yellow | Low hilly to gently undulating terrain; yellow sand over limestone at 1-2m; <i>Banksia</i> spp. woodland with scattered emergent <i>E. gomphocephala</i> and <i>E. marginata</i> and a dense shrub layer. |
| Kg | Karrakatta-grey | Low hilly to gently undulating terrain; iron podzols; <i>Banksia</i> spp. woodland with <i>E. todiana</i> and depauperate <i>E. marginata</i> ; dense shrub layer. |
| Kls | Limestone | Low hills and ridges; bare limestone or shallow siliceous or calcareous sand over limestone; dense low scrub dominated by <i>Dryandra sessilis</i> , <i>Melaleuca huegelii</i> and species of <i>Grevillea</i> . |
| Sp | Spearwood | Irregular banks of karst depressions; some limestone outcrop; shallow brown soils; <i>Banksia</i> spp. woodland with emergent <i>E. gomphocephala</i> and <i>E. marginata</i> ; dense shrub layer. |
| B | Beonaddy | Flat terrain fringing water in base of karst depressions; light grey sand with water table within 2m; <i>E. rudis</i> , <i>B. littoralis</i> and <i>Melaleuca</i> spp.; <i>Typha</i> sp. near waters edge. |
| Wl | Lakes and Swamps | Permanent water in base of karst depressions; <i>Melaleuca</i> spp. and <i>E. rudis</i> in zone of water level fluctuation; sedges and reeds in shallow water. |

**THE GNANGARA MOUND LANDFORMS
SOILS AND VEGETATION**

