

CONDITION

Rating **Good**
 Comments Damage to Marri canopy, possibly too frequent fires.

Aerial Photo Run 12 5160
 Soil light grey sand over dark grey sand, B2/4 (Wells and Hesp, 1989)
 Drainage moderately well drained.
 Aspect Gentle slope to the east,

Location 40 - Murray River, Ravenswood Speedway, Old Mandurah Rd. Location 15.
 Vegetation Map, Appendix 2, p33.

Veg: r F

Cond: Poor to Completely Degraded

GENERAL COMMENTS

The site described at this Location is in what is apparently the least disturbed vegetation representative of the Location. The Shrubs are confined to the margins of the area in Poor Condition and are all 2-4 m tall.

Much of this Location is in Completely Degraded condition with scattered *Eucalyptus rudis* and *Melaleuca raphiophylla* over pasture. On the immediate banks of the Murray River the vegetation is similar to that at Yunderup (Location 35); *Eucalyptus rudis* Open Woodland with scattered *Melaleuca raphiophylla*, *Casuarina obesa*, *Acacia saligna* and occasional *Banksia grandis*, *Jacksonia sternbergiana* and * *Dodonaea viscosa* subsp. *angustissima* over weeds.

Adjacent to this Location is a large area of bushland apparently in private ownership. This area is predominantly mapped as being on Bassendean Sands. The vegetation is apparently similar to the wetlands at Locations 38 and 37 being:

Melaleuca polygaloides, *Fericalymma ellipticum* and *Hakea varia* Open Heath with scattered *Melaleuca raphiophylla* over Sedgeland. *Melaleuca preissiana* and *Kunzea ericifolia* occur towards the better drained margins.

This vegetation is in Good to Very Good Condition with severe localised disturbance associated with tracks. The central area is apparently weed infested as it appears brown on the aerial photograph, as at Location 37. As the Bassendean Sand area next to Location 37 is a DRF site this area should be further surveyed for DRF.

Of particular interest was an area of cliffside shrub vegetation in apparently Good Condition along the river (shaded area on FIG 21).

Site

r F *Eucalyptus rudis* and *Melaleuca raphiophylla* Forest/Low Forest A.

Comments: Adjacent to this area the *Eucalyptus rudis* occurs as a Woodland over exotic pasture.

Trees: *Eucalyptus rudis*, *Melaleuca raphiophylla*

Shrubs: Adjacent *Astartea fascicularis*, *Callistachys lanceolata*, *Acacia pulchella*

Grasses: Couch, misc immature exotic grass species

Herbs: * *Watsonia* sp., * *Fapyrus*

Sedges: *Baumea acuta*, *Juncus pallidus*

Suggested name of area (1996)

Some Other Commonly used Names: Area (ha):

Part subm 280 Ravenswood Speedway and adjacent bushland east
aerial photo), no bushland mapped, %lake surface

Total, % bushland (GIS

**Local Authorities (Suburb
planning)**

Zoning (MRS & town

Shire of Murray (Ravenswood)

Ownership categories: Street name, Lot number

LANDFORM AND SOIL

Landscape features: vegetated wetland, river, vegetated uplands

Geomorphology and soils

Pinjarra Plain

Guildford formation (Qha: Cp, S14, Msc1)

Bassendean Dunes/Pinjarra Plain

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

REGIONAL VEGETATION AND FLORA

Vegetation Complex

Pinjarra Plain

Swan Complex

Bassendean Dunes

Bassendean Complex - Central and South

Floristic Community Types:

Supergroup 2 - Seasonal Wetlands

4 *Melaleuca preissiana* damplands

REGIONAL WETLANDS

Wetland Types: palusplain, estuary (peripheral), (lake and sumpland not mapped)

Consanguineous suite

Bassendean - Pinjarra transition OR Bassendean with fluvial features

Mungala (B/P.2)

Coastal Plain Rivers

Swan River (R.2)

Wetland Management Objective: Conservation, Multiple Use

Lake EPP: part of 3.4 ha

THREATENED COMMUNITIES

Not assessed

AREA DESCRIPTION

Vegetation and Flora

Structural units: limited survey

Eucalyptus rudis Forest to Woodland, *Banksia attenuata* and *B. ilicifolia* Woodland, *Kunzea*, *Jacksonia*,
Regelia, *Pericalymma* and *Melaleuca* Shrublands, *Leptocarpus* Sedgeland

Remnant Vegetation (canopy only): *Eucalyptus rudis* Woodland

Vegetation Condition: <30% Very Good to Good, >70% Degraded to Completely Degraded with areas
of severe localised disturbance

Total Flora: not known, (estimated), (site generated list only), (estimated >50% expected flora),
(estimated >75% expected flora), (estimated >90% expected flora)

DRF/Priority - GIS: none recorded

DRF/Priority and significant flora from survey - *Parsonsia diaphanophleba* (2), *Dodonaea hackettiana* (4)

Fauna

Mammals: not surveyed (Quenda habitat DEP survey)

Linkage: adjacent bushland west to Lot 52 Old Mandurah Rd

Special Attributes:

INTERNATIONAL AND NATIONAL SIGNIFICANCE


Not listed

CONSERVATION RECOMMENDATIONS

Criteria met for inclusion: Representation of ecological communities, Diversity, Rarity, Maintaining ecological systems or natural processes, 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

Constraints: Private land, MRS Urban zoning, Mineral Resource Area, Mineral Lease,

Recommendation:



Suggested name of area (1996)

Some Other Commonly used Names:

Part subm 280 Lot 52 Old Mandurah Rd
vegetation
(aerial

Area (ha):

94ha, 90% modified remnant
(Ag WA GIS), 90% bushland
photo)

**Local Authorities (Suburb
planning)**

Shire of Murray (Ravenswood)

Zoning (MRS & town

Ownership categories: Street name, Lot number

LANDFORM AND SOIL

Landscape features: riverside sand cliff, vegetated wetlands (including claypan), river, creek, vegetated uplands

Geomorphology and soils

Bassendean Dunes

Bassendean sands (Qpb: S8)

Bassendean Dunes/Pinjarra Plain

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

REGIONAL VEGETATION AND FLORA

Vegetation Complex

Pinjarra Plain

Swan Complex

Bassendean Dunes

Bassendean Complex - Central and South

Floristic Community Types:

Supergroup 2 - Seasonal Wetlands

*4 *Melaleuca preissiana* damplands

S1 *Astartea* aff. *fascicularis*/*Melaleuca* species dense shrublands

S17 *Eucalyptus rudis*/*Agonis linearifolia* wetlands in Bassendean Dunes

Supergroup 3 - Uplands, centred on Bassendean Dunes and the Dandaragan Plateau

21c Low lying *Banksia attenuata* woodlands or shrublands

22 *Banksia ilicifolia* woodlands

REGIONAL WETLANDS

Wetland Types: sumpland, dampland, palusplain, artificial channel (creepline not mapped)

Consanguineous suite

Bassendean - Pinjarra transition OR Bassendean with fluvial features

Mungala (B/P.2)

Coastal Plain Rivers

Swan River (R.2)

Wetland Management Objective: Conservation, Multiple Use

Lake EPP: none identified

THREATENED COMMUNITIES

Not Assessed

AREA DESCRIPTION

Vegetation and Flora

Structural units: limited survey

Eucalyptus rudis Forest, *Banksia attenuata* and *B. ilicifolia* Woodland, *Jacksonia*, *Regelia*, *Pericalymma* and *Melaleuca* Shrublands, *Cyathochaeta* and *Leptocarpus* Sedgeland

Remnant Vegetation (canopy only):

Vegetation Condition: >75% Very Good to Good with <30% Degraded to Completely Degraded with areas of severe localised disturbance associated with house

Total Flora: 66 (site generated list only, estimated >50% expected flora)

DRF/Priority - GIS: none recorded

DRF/Priority and significant flora from survey - *Cyathochaeta teretifolia* (1), *Dodonaea hackettiana* (4)
Stylidium utricularioides, *Acacia lasiocarpa* 'Pinjarra'

Fauna

Mammals: not surveyed (Quenda habitat)

Linkage: adjacent bushland east to Ravenswood Speedway

Special Attributes:

INTERNATIONAL AND NATIONAL SIGNIFICANCE

Not listed

CONSERVATION RECOMMENDATIONS

Criteria met for inclusion: Representation of ecological communities, Diversity, Rarity, Maintaining ecological systems or natural processes, 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

Constraints: Private land, MRS Urban zoning, Mineral Resource Area, Mineral Lease,

Recommendation:



Head Office:
8th Floor, Westralia Square
141 St Georges Terrace
Perth, Western Australia 6000
Tel (09) 222 7000 Fax (09) 322 1598

Waste Management Division:
Ground Floor, 32 St Georges Terrace
Perth, Western Australia 6000
Tel (09) 222 0422 Fax (09) 222 0455
or PO Box Y3030, East, St Georges Terrace
Perth, Western Australia 6832

Regional Offices:
Bunbury • Karratha • Kalgoorlie • Kwinana

Mr Gary Miorcevich
Ravenswood International Speedway
14 Whyalla
WILLETTON WA 6155

Your Ref

Our Ref

Enquiries

67/91

N Thorning

Dear Mr Miorcevich

SYSTEM SIX UPDATE PROGRAMME - FLORA SURVEY INFORMATION

Thank you for providing permission for our botanical team to survey the bushland on your property. As arranged between yourself and Mr Kevin McAlpine of this Department, the bushland at the Ravenswood International Speedway site was visited on 31 August 1995.

The botanical survey provides us with information on the natural plant communities found in the area, and their condition. This information is needed to assist the Department of Environmental Protection in its programme to update the conservation recommendations for System 6 and the coastal plain portion of System 1. The main objective of the programme is to ensure that the proposed conservation estate is representative of the ecological communities extant in the region.

As part of this programme the Department has advertised for the public to submit areas of bushland that they consider to be of regional significance. Our botanical team is surveying these submitted areas as well as those it considers may be important based on other factors such as their location and soil type etc. The botanical survey provides us with information on the natural plant communities found in the area, and their condition. Please note that the area is one of many sites that we have surveyed. The fact that we visited and surveyed the site does not indicate that it will necessarily be included in the updated System Six Recommendations.

The update programme has employed the botanical survey methodology used in Gibson et al. (1994), 'A Floristic Survey of the Southern Swan Coastal Plain', to provide the main information base upon which to review the adequacy of the existing System recommendations and to assess other bushland areas.

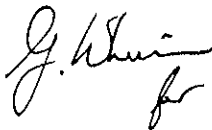
One survey site was located on the property and metal fence droppers were left in each corner of the 10 metres by 10 metres square survey site. We may wish to revisit this site at a later date, if so, we will contact you prior to our visit. A general description of the vegetation and an assessment of its condition was also completed.

The information collected during the visits will be used to assess the relative conservation values of the bushland areas. The final selections for inclusion in the updated System Six Recommendations will be the best possible examples of bushland containing plant community types that are either unrepresented or poorly represented in the current and proposed conservation system.

If you are interested in the information we have collected, the location of the survey sites or any other additional information on the System Six Update Programme please don't hesitate to contact Miss Natalie Thorning (222 7051) or Mr Kevin McAlpine (222 7055).

Once again, thank you very much for your support for this programme.

Yours sincerely

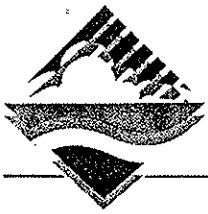
A handwritten signature in black ink, appearing to read 'G. Sanders' with a flourish underneath.

Colin Sanders
DIRECTOR
POLICY AND STRATEGIC STUDIES

27 December 1995

060109
WICHITA, KANSAS
M 12 23 57 15 75





KR Tyler & JW Sully
21 Camden Street
WEMBLEY DOWNS WA 6019

Head Office:
8th Floor, Westralia Square
141 St Georges Terrace
Perth, Western Australia 6000
Tel (09) 222 7000 Fax (09) 322 1598

Waste Management Division:
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or PO Box Y3030, East, St Georges Terrace
Perth, Western Australia 6832

Regional Offices:
Bunbury • Karratha • Kalgoorlie • Kwinana

Your Ref
Our Ref
Enquiries

67/91
N Thorning

Dear Sir/Madam

SYSTEM SIX UPDATE PROGRAMME - FLORA SURVEY INFORMATION

Thank you for providing permission for our botanical team to survey the bushland on your property. As arranged between yourself and Miss Natalie Thorning of this Department, the bushland on Lot 52 Old Mandurah Rd, Ravenswood was visited on 18 December 1995.

The botanical survey provides us with information on the natural plant communities found in the area, and their condition. This information is needed to assist the Department of Environmental Protection in its programme to update the conservation recommendations for System 6 and the coastal plain portion of System 1. The main objective of the programme is to ensure that the proposed conservation estate is representative of the ecological communities extant in the region.

As indicated in my earlier letter seeking approval to survey your vegetation, the fact that we visited and surveyed the site does not indicate that it will necessarily be included in the updated System Six Recommendations.

Four survey sites were located on the property and metal fence droppers were left in each corner of the 10 metres by 10 metres square survey sites. We may wish to revisit these sites at a later date, if so, we will contact you prior to our visit. A general description of the vegetation and an assessment of its condition was also completed.

The information collected during the visits will be used to assess the relative conservation values of the bushland areas. The final selections for inclusion in the updated System Six Recommendations will be the best possible examples of bushland containing plant community types that are either unrepresented or poorly represented in the current and proposed conservation system.

If you are interested in the information we have collected, the location of the survey sites or any other additional information on the System Six Update Programme please don't hesitate to contact Miss Natalie Thorning (222 7051) or Mr Kevin McAlpine (222 7055).

Once again, thank you very much for your support for this programme.

Yours sincerely

A handwritten signature in black ink, appearing to read 'C. Sanders', with a stylized flourish at the end.

Colin Sanders
DIRECTOR
POLICY AND STRATEGIC STUDIES

20 December 1995



Head Office:
8th Floor, Westralia Square
141 St Georges Terrace
Perth, Western Australia 6000
Tel (09) 222 7000 Fax (09) 322 1598

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Perth, Western Australia 6000
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or PO Box Y3030, East, St Georges Terrace
Perth, Western Australia 6832

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KR Tyler & JW Sully
21 Camden Street
WEMBLEY DOWNS WA 6019

Your Ref
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Enquiries

67/91
N Thorning

Dear Sir/Madam

SYSTEM SIX UPDATE PROGRAMME - FLORA SURVEY INFORMATION

Having been unable to contact you by telephone, I am writing to outline the details of the above survey and to confirm our request for permission to access Lot 52 Old Mandurah Road, Ravenswood, which I believe is in your ownership.

As you may be aware, the Department of Environmental Protection is coordinating a programme to update the conservation recommendations for System 6 and the coastal plain portion of System 1. The main objective of the programme is to ensure that the proposed conservation estate is representative of the ecological communities remaining in the region.

As part of this programme the Department has advertised for the public to submit areas of bushland that they consider to be of regional significance. Our botanical team is surveying these submitted areas as well as those it considers may be important based on other factors such as their location and soil type etc. The botanical survey provides us with information on the natural plant communities found in the area, and their condition. Please note that we need to visit a great many sites to develop a detailed understanding of the distribution of the various plant communities. The fact that we are seeking to visit and survey the area does not indicate that it will necessarily be included in the updated System Six Recommendations.

The update programme has employed the botanical survey methodology used in Gibson et al. (1994), 'A Floristic Survey of the Southern Swan Coastal Plain', to provide the main information base upon which to review the adequacy of the existing System recommendations and to assess other bushland areas.

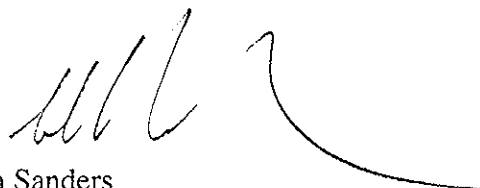
Survey sites are located after visiting the bushland areas. Each survey site is 10 metres by 10 metres square and, if you are agreeable, is marked by four steel posts which remain in place so that the site may be resampled at least once. Sites on CALM lands will remain as monitoring sites and you may wish to retain the sites on your lands for the same purpose. Our sampling is non-destructive and small samples of plants are only collected when we are unsure of the plants identity.

The information collected during the visits will be used to assess the relative conservation values of the bushland areas. The final selections for inclusion in the updated System Six Recommendations will be the best possible examples of bushland containing plant community types that are either unrepresented or poorly represented in the current and proposed conservation system.

It would be appreciated if you could reply as soon as possible since our field programme is concentrated around the spring flowering season. For further information please don't hesitate to contact Miss Natalie Thorning (222 7051) or Mr Kevin McAlpine (222 7055).

Thank you for your support.

Yours sincerely

A handwritten signature in black ink, appearing to read 'CS', with a long, sweeping underline that extends to the right.

Colin Sanders
DIRECTOR
POLICY AND STRATEGIC STUDIES

5 December 1995

RETURN

FILE

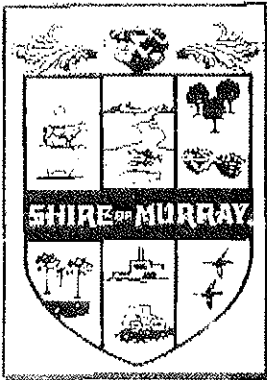
Ref.....

SHIRE OF MURRAY

FACSIMILE TRANSMISSION

CHIEF EXECUTIVE / SHIRE CLERK: D.A. McCLEMENTS

ADDRESS: P O BOX 21
PINJARRA WA 6208



TELEPHONE: (09) 531 1755

FAX: (09) 531 1981

No of pages (inc this one) 3

TO:

Mr McAlpine

FAX NO:

321 5184

FROM:

B Bluge

DATE:

2/8/95

MESSAGE:

*Lot numbers identified -
Will confirm meeting with you
by 'phone tomorrow.*

Authorised by

B Bluge
Name

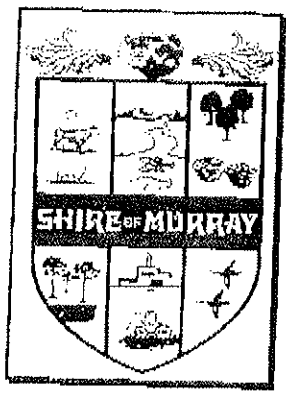
Mary
Signature

RETURN FILE Ref.....

SHIRE OF MURRAY

FACSIMILE TRANSMISSION

CHIEF EXECUTIVE / SHIRE CLERK: D.A. McCLEMENTS



ADDRESS: P O BOX 21
PINJARRA WA 6208

TELEPHONE: (09) 531 1755

FAX: (09) 531 1981

No of pages (inc this one) 2

TO: Mr. McAlpine FAX NO: 321 5184

FROM: KLUM

DATE: 22/8/95

MESSAGE:

As promised, map showing Reserve 30342!

Authorised by *[Signature]*
Name

Signature

Lot 350 Hampton Rd, Pinjarra - Leased by -
J. S. B & M. H. Currie, PO Box 242, Pinjarra 6208
531 1918

Lots 299 & 309 Hampton Rd, Pinjarra -
Aboriginal Lands Trust, PO Box 273, Pinjarra 6208

Lot 296 Hampton Rd, Pinjarra -
State Housing Commission, 99 Plain St, East Perth 6000

Lot 217 Alderson St, Pinjarra -
Aboriginal Lands Trust, PO Box 273, Pinjarra 6208

Lot 295 Alderson St, Pinjarra -
State Housing Commission, 99 Plain St, East Perth 6000

[Lot 52 Old Mandurah Rd, Ravenswood -
K. R. Tyler & J. W. Sully, 21 Camden St, Wembley
Downs 6019 5376135]

* Lot 2 Old Mandurah Rd, Ravenswood -
Gary Payne Nominees Pty Ltd, 607 Pinjarra Rd,
Subiaco 6210

Planning Director
Ab
Approved
Alec Kewling
Cell 09 531 2513

RETURN FILE Ref.....

SHIRE OF MURRAY

FACSIMILE TRANSMISSION

CHIEF EXECUTIVE / SHIRE CLERK: D.A. McCLEMENTS



ADDRESS: P O BOX 21
PINJARRA WA 6208

TELEPHONE: (09) 531 1755

FAX: (09) 531 1981

No of pages (inc this one) 2

TO: Kevin McAlpine FAX NO: 321 5184

FROM: Brett Huggo

DATE: 21/8/95

MESSAGE:

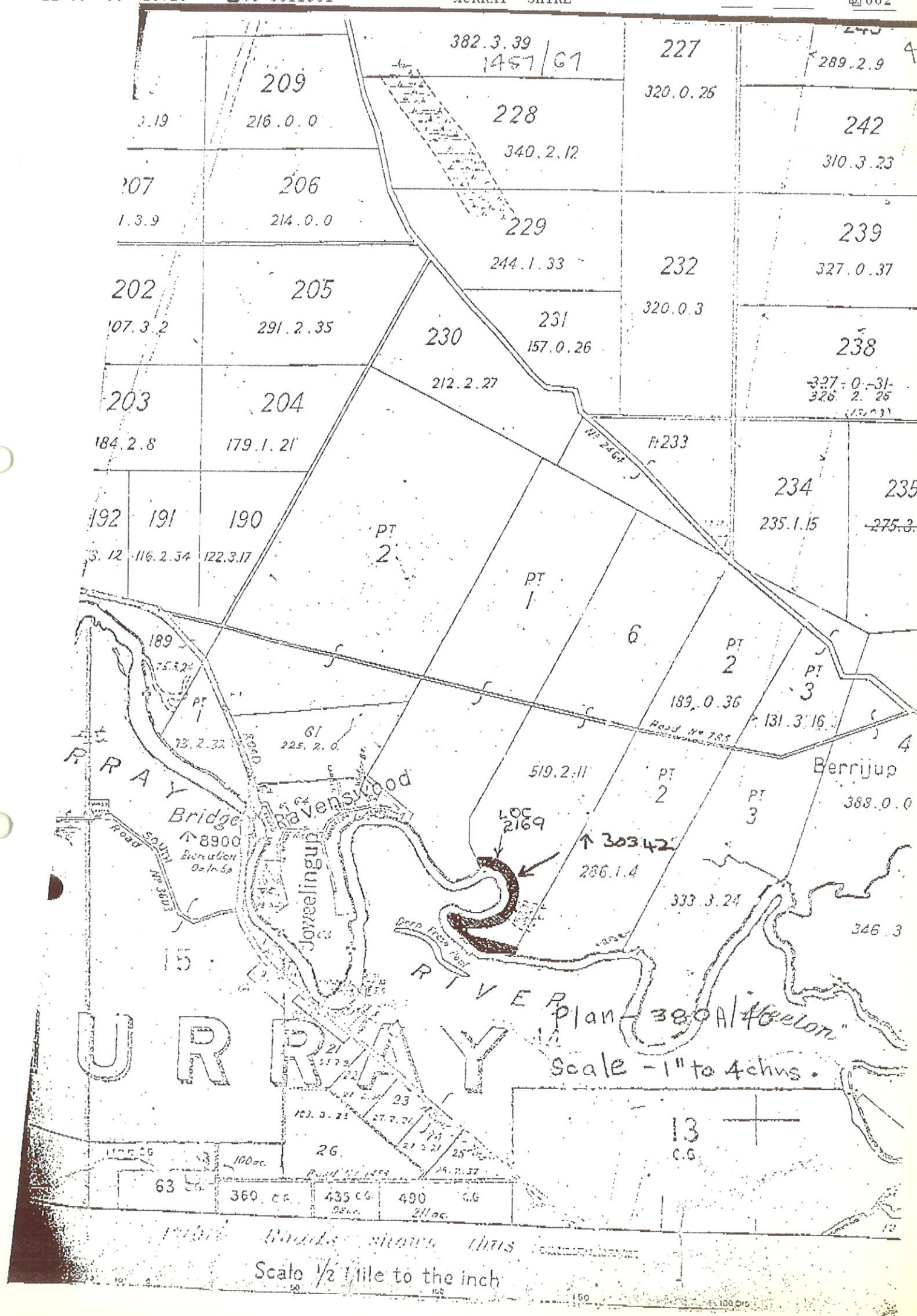
"Ownership Details" as requested. Will ring to confirm 'meeting time' on Thursday.

Authorised by B. Huggo
Name

Mary Russell
Signature

Ravenswood Raceway
Spreyton Nominees Pty Ltd.
c/o Gary Moorovich

Ravenswood Ind.
Raceway
14 Wkgall
Willetton
P.O. Box 8
Willetton
6155

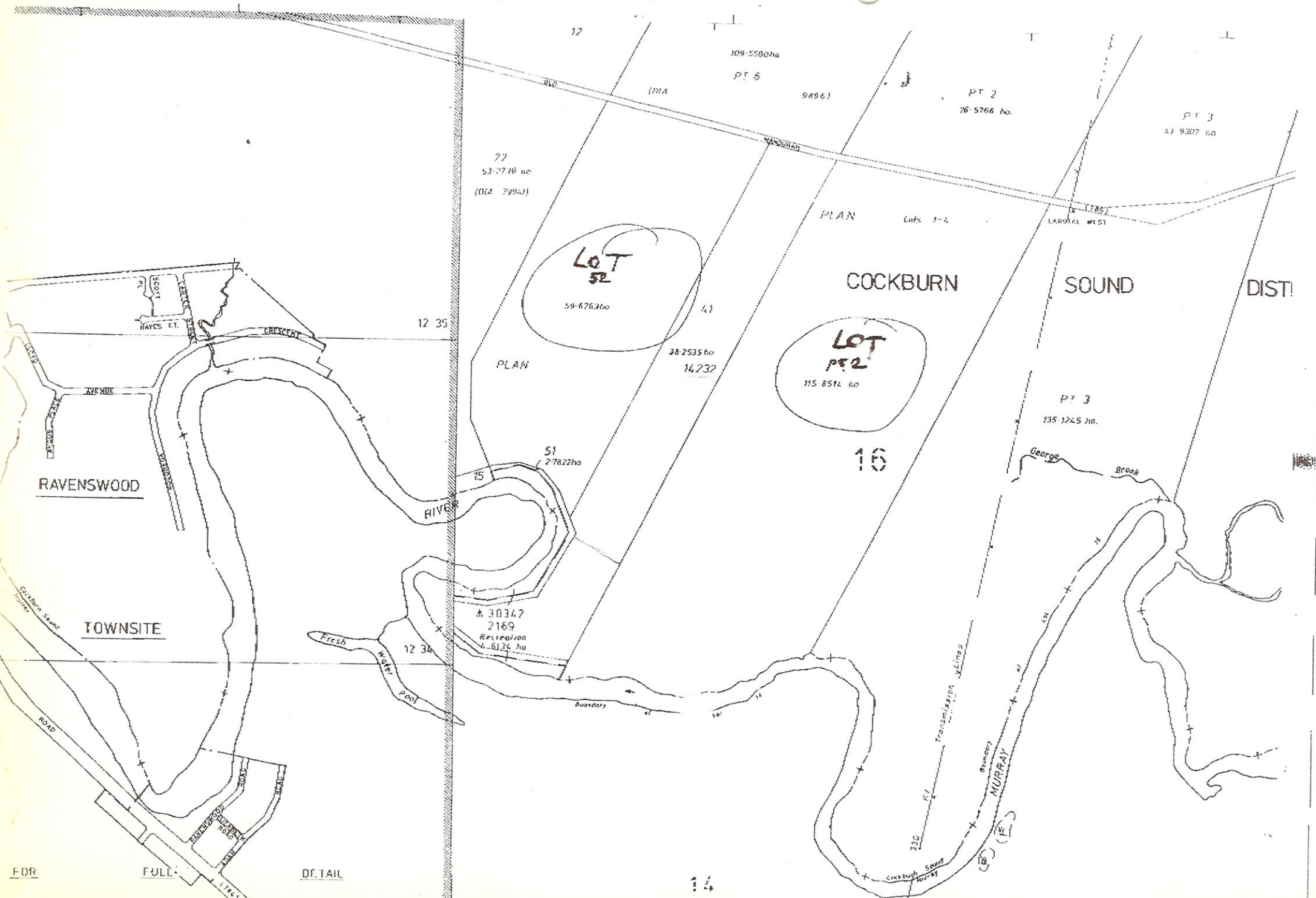


Scale 1/2 mile to the inch

13
C.G.

63 360 cc 435 cc 490 cc

MURRAY RIVER plan 380A/46elon
Scale - 1" to 4 chns.



FDR FULL DETAIL



leave -
 land ownership details sought
 pka for those lots
 marked X
 TA of rect 2/18

ZONES

- Residential
- Residential Development
- Canal Development
- Town Centre
- Commercial

ZONES CONT.

- Private Clubs and Institutions
- Private Recreation
- Rural
- Special Rural
- Cemetery

OTHER NOTATIONS

- Murray River Floodway
- Residential Planning Codes (see clauses 7-9 of the text)
- Scheme Boundary (inner edge)
- Places of Heritage Value
- Places of Landscape Value

SHIRE Town Plan

2000/01

Record of Telephone Call

Call from <i>Natalie Thorning / Kevin McAlpine</i>	Call to <i>Mr Tyler</i>	Folio No.
Dept <i>DEP</i>	Dept	File No.

Subject <i>SYSTEM 6 UPDATE - FLORA SURVEY</i>	Date <i>8 / 12 / 95</i>	Time <i>am.</i>
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Details

*Lot 52 Old mandurah Rd
Ravenswood*

*K R Tyler & JW Sully
21 Camden St, Wembley Downs 6019*

*OK to do flora survey
meet at entrance on old mandurah Rd
9.30am Mon 18 Dec 1995
new road down the middle. Happy to
show us areas of interest etc.*

Action taken/Recommendation(s) (where applicable)

Approval (if required)



Next

Keith Tyler - System to update program

lot 52.

Old Mandurah Rd
Lawrencewood

67/91.

150 acres.

21 CAMDEN ST

WOMBORNY DOWNS 6019

446 5120.

new contact address.

old

unit 24/72 Steady St
Scarborough.

N.

→ Please note new contact
address.

Review of the Environmental Protection (Swan Coastal Plain Lakes) Policy 1992

As required under section 36 of the Environmental Protection Act, 1986

**Full document
available
on request**

Environmental Protection Authority
Perth, Western Australia
November 1999

Old
Lot 52 1/2 Mandurah Rd.
Ms Pat Payne



WILD 15740A9A

Nr 13037 152.72

000108

- 5022 - 1 267 - 56 100 0180 0280 56 -

2551 09 52 10 51 155200 000000

WILD 1574 UAGA
Nr 13037 152.72

000109

5022 - 1 268 - 56 100 0180 0300 56

1202 09 52 10 61 166200 000000