

Lolo Preston

LAKE JOSEPHINE

MAYALUP

READING PROPERTY \*

Loc 698

200

Carrigan Park

Henny River  
Dawson River

# SHIRE OF HARVEY

WESTERN AUSTRALIA

Telephone (08) 947 8411 Fax (08) 947 8412

TO: NANCIE McROBERTS

FROM: Barbara Green

SUBJECT: Mo 100498 of King of the (MVALUP)

DATE: 11/10/95

NO. OF PAGES (INCLUDING THIS ONE): 1

FILE REFERENCE: \_\_\_\_\_

MESSAGE: \_\_\_\_\_

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X



Shire Clerk  
Shire of Harvey  
102 Uduc Road  
HARVEY WA 6220

Your Ref

Our Ref

Enquiries

67/91

N Thorning

**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

ATTENTION: BRAD GLEESON

### 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 Mr Brad Gleeson and Miss Natalie Thorning of this Department, the bushland on Lot 698 Lake Preston Road, Myalup was visited on 20 October 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.

A general description of the vegetation and an assessment of its condition was completed, however, survey sites were not located on your property.

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).

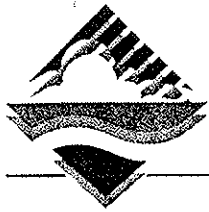
Once again, thank you very much for your support for this programme.

Yours sincerely

A handwritten signature in black ink, appearing to be 'CS', written in a cursive style.

Colin Sanders  
DIRECTOR  
POLICY AND STRATEGIC STUDIES

6 December 1995



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**Regional Offices:**  
Bunbury • Karratha • Kalgoorlie • Kwinana

KA & DA Reading  
Wellesley Rd  
BRUNSWICK JUNCTION WA 6224

Your Ref  
Our Ref  
Enquiries

67/91  
N Thorning

Dear Mr & Mrs Reading

### 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 Mr Ken Reading and Miss Natalie Thorning of this Department, the bushland on your land at the corner of Myalup Beach Road and Orchard Place, Myalup was visited on 20 October 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.

A general description of the vegetation and an assessment of its condition was completed, however, survey sites were not located on your property.

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 'MSA', written in a cursive style.

Colin Sanders  
DIRECTOR  
POLICY AND STRATEGIC STUDIES

6 December 1995

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a+b

# 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: LAKE PRESTON RD. BIRCH RD.

b) Nearest Corner: .....

(PART OF) Location  
c) Lot Number: 698 Street Number: LOCATION: WELLINGTON

d) Town/Suburb/Location: MYALUP SHIRE OF HARVEY

e) Local Council: SHIRE OF HARVEY

f) Site Name (if any): .....

g) Approximate size of the area (ha): 40ha

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

i) Map: ..... Streetsmart /UBD/Other: CALM

j) Map no.: HARVEY SHEET

k) Grid Ref: .....

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

NORTH OF MYALUP TOWN - LYING BETWEEN LAKE PRESTON + OCEAN

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

It was initially planned for expansion of Myalup town, but no move to develop has been made to this date.

**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) .....SHIRE OF HARVEY.....

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) .....T.P.S. .... GENERAL FARMING

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)  
.....It is an excellent example of beach through to Lake landform and vegetation.....

6. What is/are the soil type/s and colours? .....Sand - White, Grey, Black  
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) Yes

If yes, what are they? .....Tuart groves in sand dunes.....  
.....Dense understorey species.....

8. Is the area a wetland or does it include a wetland? .....No.....

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? .....

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

10. What percentage of the area is indigenous vegetation? ..... ~ 70% .....

11. If the area includes regions cleared of native bushland please indicate reasons for the inclusion. .... NO .....

12. Has any previous flora or fauna survey work been done on the area? ... Not to our knowledge .....

If yes, please give details of the work .....

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

- a) pristine
- b) excellent ✓
- c) very good
- d) good
- e) degraded
- 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
- j) Salinity
- k) Fertiliser drift and along waterways nutrient influx
- l) Mining, including that for road works

- m) Grazing: stock, overgrazing by feral or native mammals
- n) Proliferation of tracks, fire breaks and walk trails *minimal*.
- o) Off-road vehicle use *through traffic only*.
- 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) *NO*

Do you know what they are? .....

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

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

*Kangaroos, bobtail lizards, frogs, dugites, pythons, numerous bird species*

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. Lake Preston / Lake Josephine*

If yes, how close are they? *L.P. - 50m.*  
*L.J. - 1300m.*

Are they already conservation reserves? *L.P. - National Park Yalgorup*  
*L.J. - NO.*

What is their approximate size? *L.P. - 30km's x ~ 1-2 km's.*  
*L.J. - 500m<sup>2</sup>*

19. Does the submitted area link other bushland areas? *It links the bushland and dune vegetation in Myalup, and to the adjoining bushland on its northern side.*

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

# 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: MYALUP BUN. ROAD. ORCHARD PLACE.

b) Nearest Corner: .....

c) Lot Number: ..... Street Number: .....

d) Town/Suburb/Location: MYALUP SHIRE OF HARVEY

e) Local Council: SHIRE OF HARVEY

f) Site Name (if any): LAKE JOSEPHINE

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

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

.....

i) Map: LOCALINK Streetsmart /UBD/Other: .....

j) Map no.: 23 PAGE 198

k) Grid Ref: K 14

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

Driving into Myalup you can see Lake Josephine on your right.

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

Housing on Hovea St and Orchard St.

.....

**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) ..... Ken Reading .....

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) ..... T.P.S. General Farming .....

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) Due to it being at the end of a chain of salt water lakes, and itself being freshwater - attracting multitude of bird life and supporting significant fringing vegetation.

6. What is/are the soil type/s and colours? ..... CLAY/LOAM - grey, black .....

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? ..... Freshwater lake with intact fringing vegetation. ....

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? ....None.....

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

10. What percentage of the area is indigenous vegetation? *Fringing vegetation*

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?

...We think so!

If yes, please give details of the work .....

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

- a) pristine
- b) excellent
- c) very good ✓
- d) good
- e) degraded
- 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
- j) Salinity
- k) Fertiliser drift and along waterways nutrient influx
- l) Mining, including that for road works

- ✓m) Grazing: stock, overgrazing by feral or native mammals
- 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)

Numerous birds, water rat, kangaroos, long necked tiger snakes, tortoise.

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?

Lake Preston.....

If yes, how close are they? ..... 200m.

Are they already conservation reserves? Yes Galgopus National Park

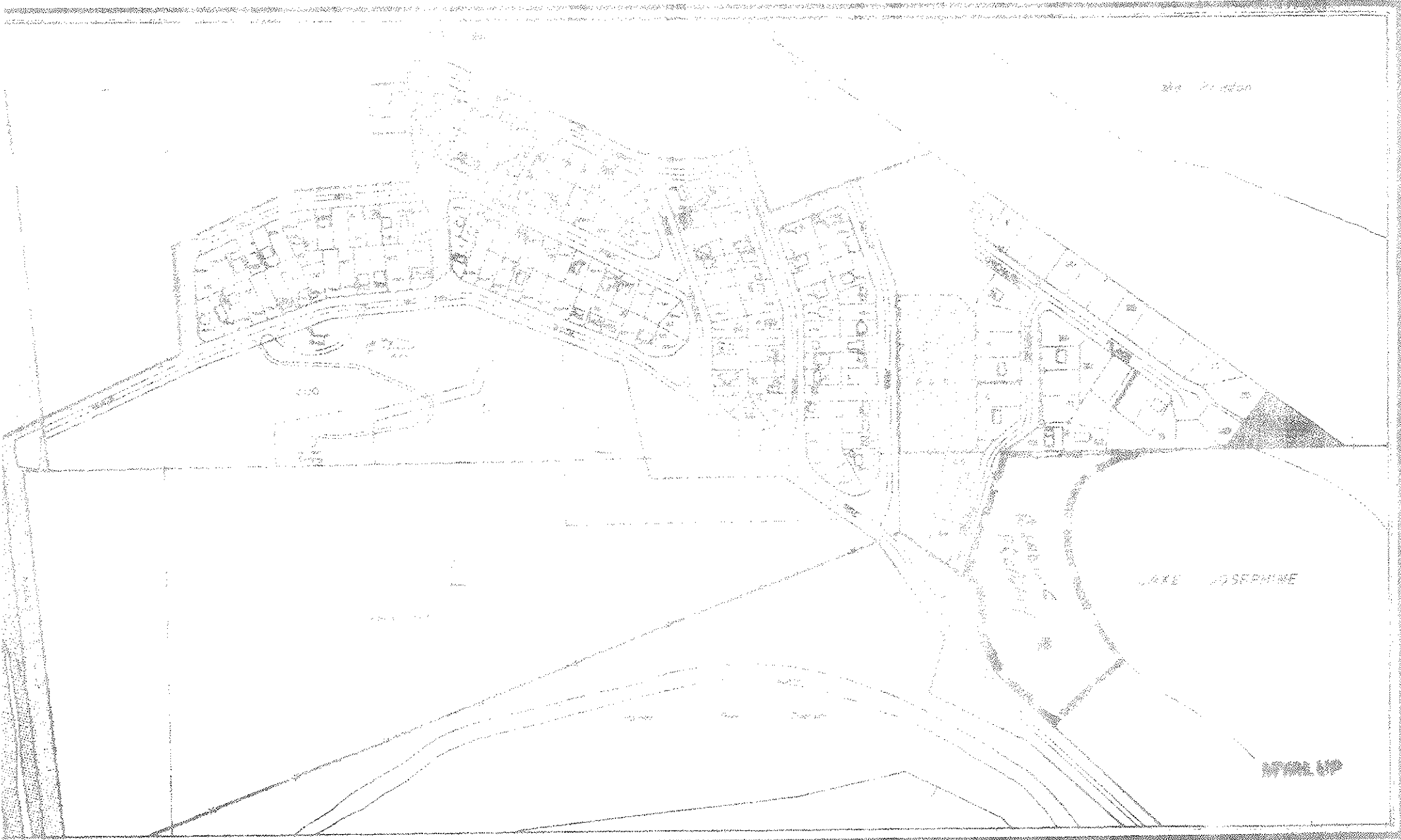
What is their approximate size? ..... 30 km x 1-2 km's

19. Does the submitted area link other bushland areas? Links paperbark

Swamps to Lake Preston

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

DEPARTMENT OF THE INTERIOR



200 400 600

LAKE JOSEPHINE

SCALE 1/2"





(162) Lake Josephine , Myalup 29-9-95



(162) Lake Josephine , Myalup 29-9-95