

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: RIVINGTON DRIVE W, WATERSBY CLOSE, RIVERTON DRIVE N, RIVERTON DRIVE E

b) Nearest Corner: BULL CREEK RD AT SOUTH WEST END (ROSSMOYNE), LOWRY ST. AT NORTH EAST END (SHELLEY)

c) Lot Number: PART OF R 26292 Street Number:

d) Town/Suburb/Location:, ROSSMOYNE / SHELLEY

e) Local Council:, CANNING (CITY OF CANNING)

f) Site Name (if any):, ROSSMOYNE / SHELLEY FORESHORE

g) Approximate size of the area (ha):, 7 ha

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

MARKED ON THE ATTACHED MAPS OF THE LOWER CANNING RIVER (SEE APPENDIX 1)

i) Map:, U.S.D. Streetsmart (UBD) / Other:, 328 45 TO N1, 308 M16 TO Q15, 309 A15 TO L12

j) Map no.:, 328, 308, 309

k) Grid Ref:, L5 TO N1, M16 TO Q15, A15 TO L12

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

PART OF R 26292 (ONLY THE SECTION BETWEEN THE CYCLEWAY AND LOW WATER OR EDGE OF VEGETATION WHERE IT EXTENDS INTO THE WATER) FRinging foreshore linking Bull Creek Wetlands to Shelley Bridge (APPENDIX 2)

m) Are you aware of any development proposals that are likely to affect the area? NO - AREA IS TOO NARROW FOR DEVELOPMENT.

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) CITY OF CANNING

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) NOT APPLICABLE

4. What is the area zoned? (please indicate whether zoning is Town Planning Scheme or Metropolitan Region Scheme) PARKS & RECREATION

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 SUPPORTS AND REINFORCES TWO EXISTING CONSERVATION AREAS (MEE & M74) BY FORMING A CONNECTING CORRIDOR BETWEEN THE TWO. (SEE APPENDIX 3)

6. What is/are the soil type/s and colours? SAND (WHITE & GREY) SILT (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? APPROXIMATELY FOUR KILOMETERS OF RIVER FORESHORE LINKING TWO EXISTING CONSERVATION AREAS. IT IS AN ESTUARINE LANDSCAPE WITH VEGETATION CHARACTERISTIC OF THE LOWER CANNING RIVER

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? *PERIPHERY IS ALWAYS WET.*

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

10. What percentage of the area is indigenous vegetation? *80%*

11. If the area includes regions cleared of native bushland please indicate reasons for the inclusion. *THE AREA BETWEEN THE CYCLEWAY AND THE NATURAL VEGETATION HAS BEEN INCLUDED BECAUSE IT IS BEING RESTORED PROGRESSIVELY*

12. Has any previous flora or fauna survey work been done on the area?
YES

If yes, please give details of the work *SEE THE ATTACHED SHEETS. DETAILED PLANS ARE ALSO AVAILABLE OF THE CURRENT RESTORATION WORK. (APPENDIX A)*

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 *INITIATED BY KIKIRI GRASS & SUBSEQUENT MOWING ~ 10%*
- d) Fire regime, including intensity, season and frequency
- e) 'Enrichment plantings' that is plantings of species not found in that community
- f) Weed invasion *(SLIGHT)*
- 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 *STEADY/WAVE ACTION (SLIGHT)*
- 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) eg. SWORD SEDGE YES!

Do you know what they are? SWORD SEDGE - SEE ATTACHED SPECIES LIST (APPENDIX 5)

16. Do you know of any native animals that use the area? LARGE NUMBER OF BIRDS (estuarine) - SEE ATTACHED LISTS (APPENDIX 1)

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

17. Is the area used by any native animals of special interest? (eg. endangered species, large/important populations).....YES.....

If yes, please name them and indicate source of information
 NATIVE WATER PATS - CITY OF CANNING

CAN YOU TELL US A LITTLE ABOUT THE SURROUNDING AREA

18. Are there any bushland areas (including wetlands) near to this area? YES

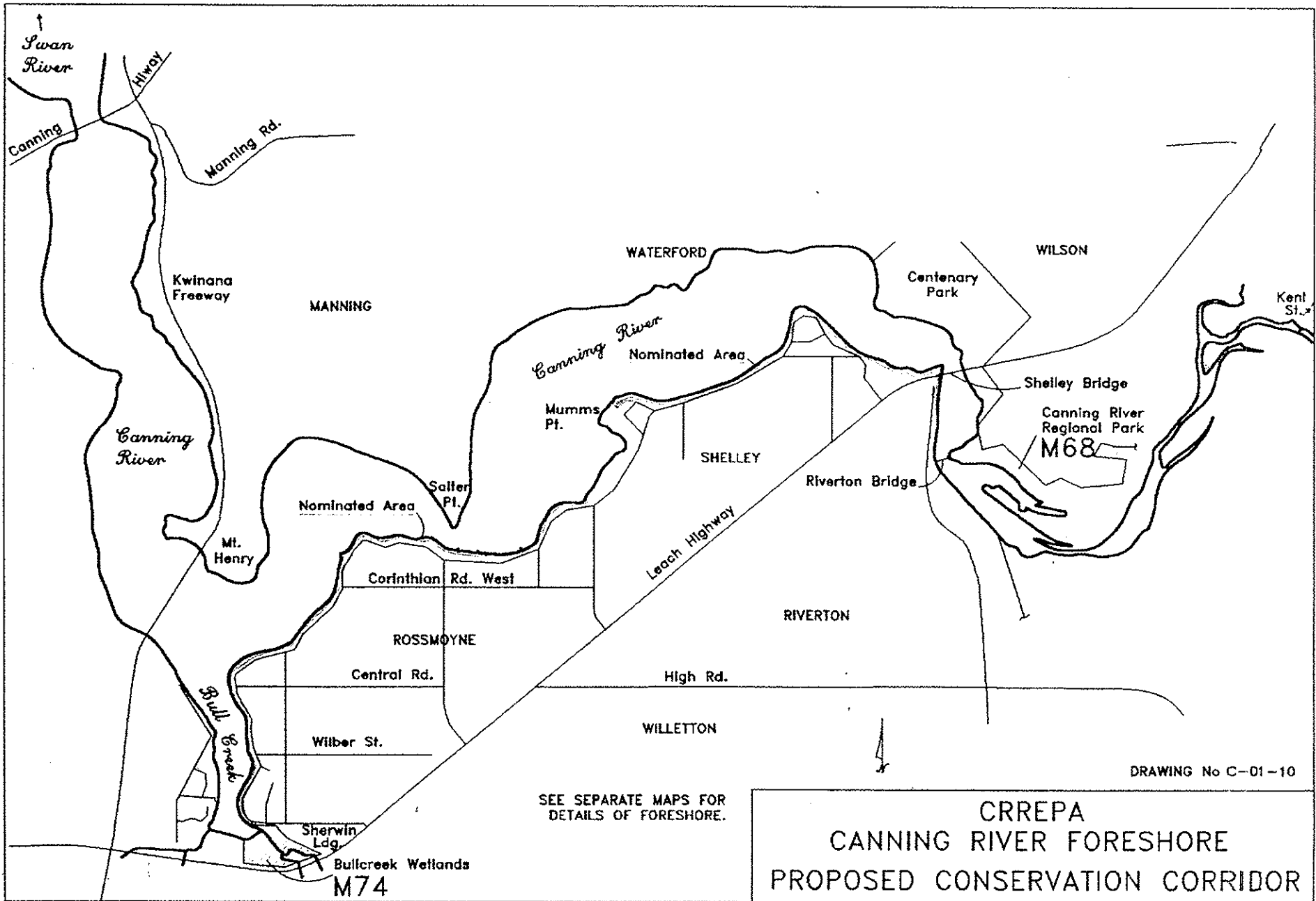
If yes, how close are they? THIS AREA ADJACENT THE NORTH END OF BULL CREEK WETLANDS (M 74) AND ALMOST MEETS THE WEST END OF THE CANNING REGIONAL PARK (M08).

Are they already conservation reserves? YES

What is their approximate size? BULL CREEK WETLANDS - 5.4 ha
 CANNING REGIONAL PARK - 266 ha

19. Does the submitted area link other bushland areas? YES - SEE 18 ABOVE

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

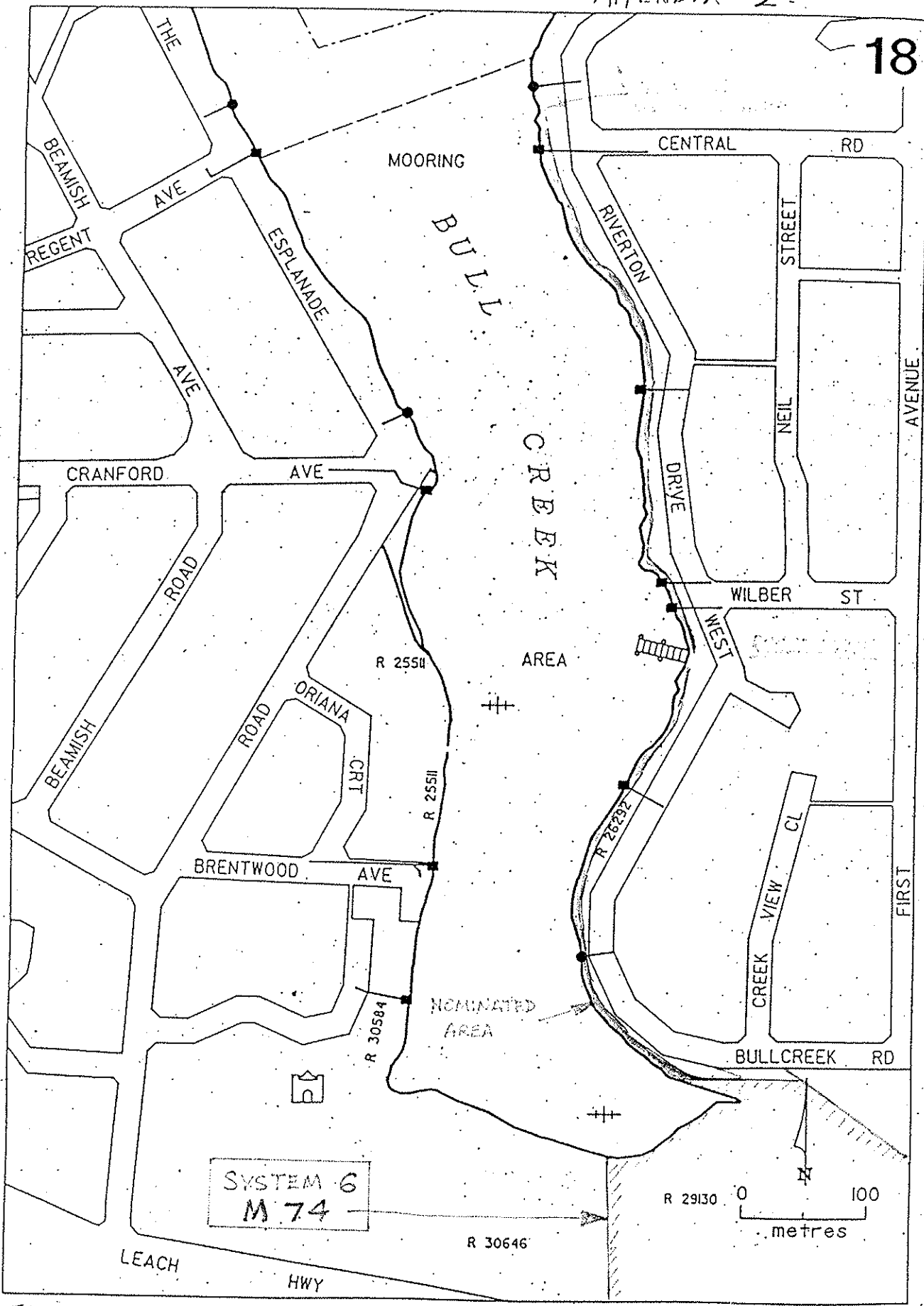


SEE SEPARATE MAPS FOR
DETAILS OF FORESHORE.

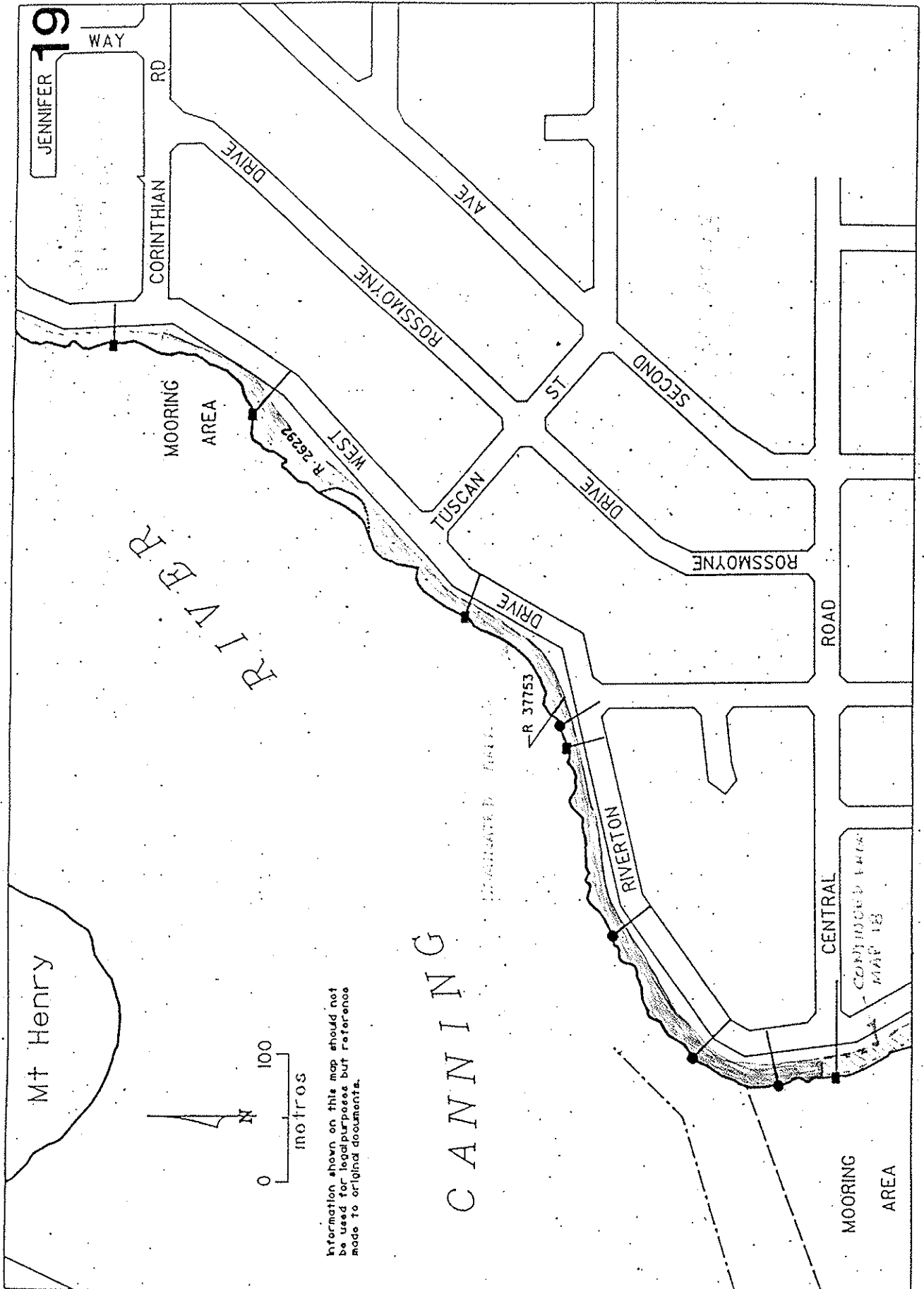
CRREPA
CANNING RIVER FORESHORE
PROPOSED CONSERVATION CORRIDOR

DRAWING No C-01-10

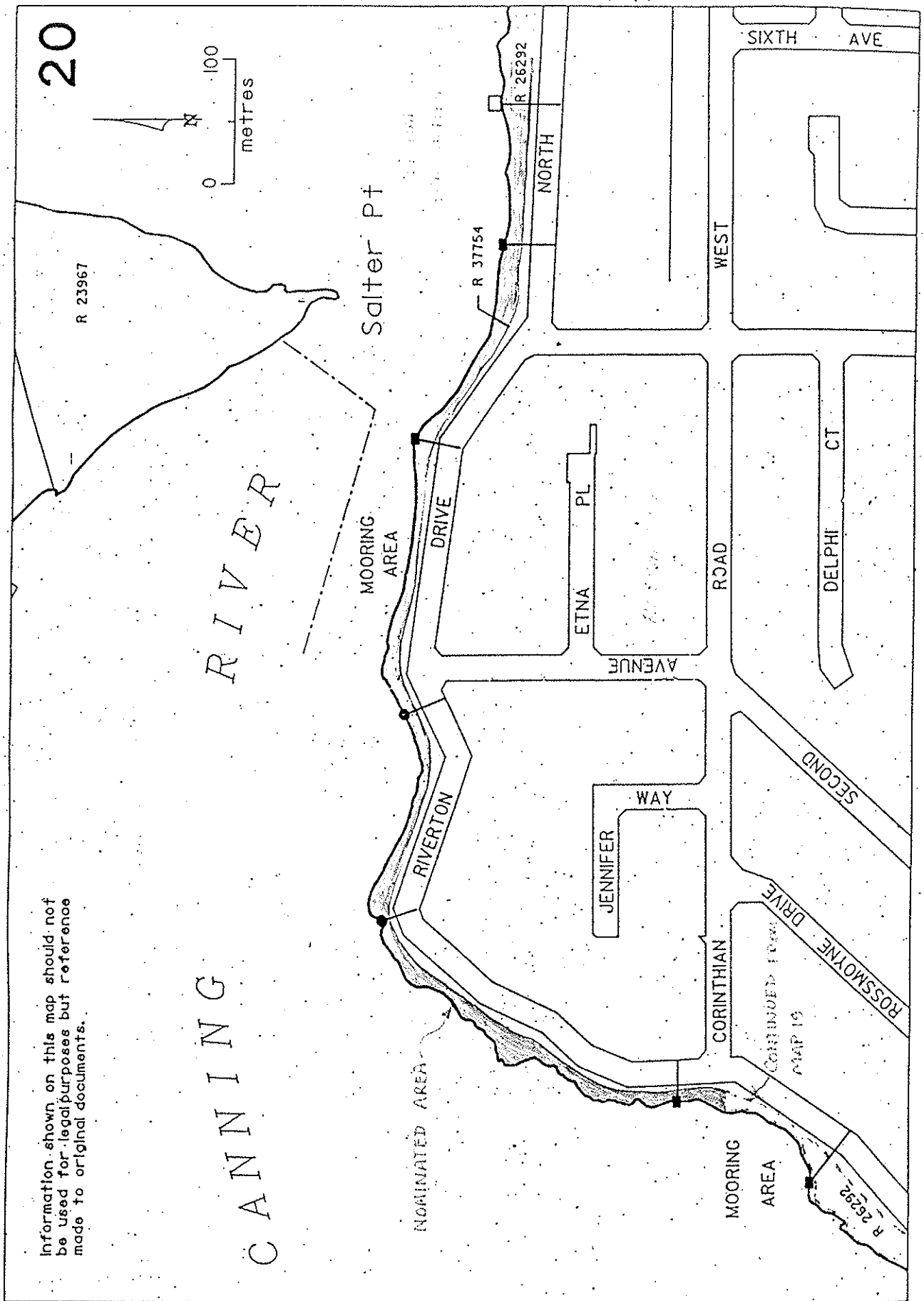
APPENDIX 1



- THE AREA IDENTIFIED BETWEEN CYCLEWAY AND LOW WATER/EDGE OF VEGETATION (ON THIS SHEET ONLY) = 0.54 ha approx.
- THESE MAPS ARE LOANED FROM THE SWAN RIVER TRUST "DRAFT LOWER CANINE RIVER MANAGEMENT PLAN".

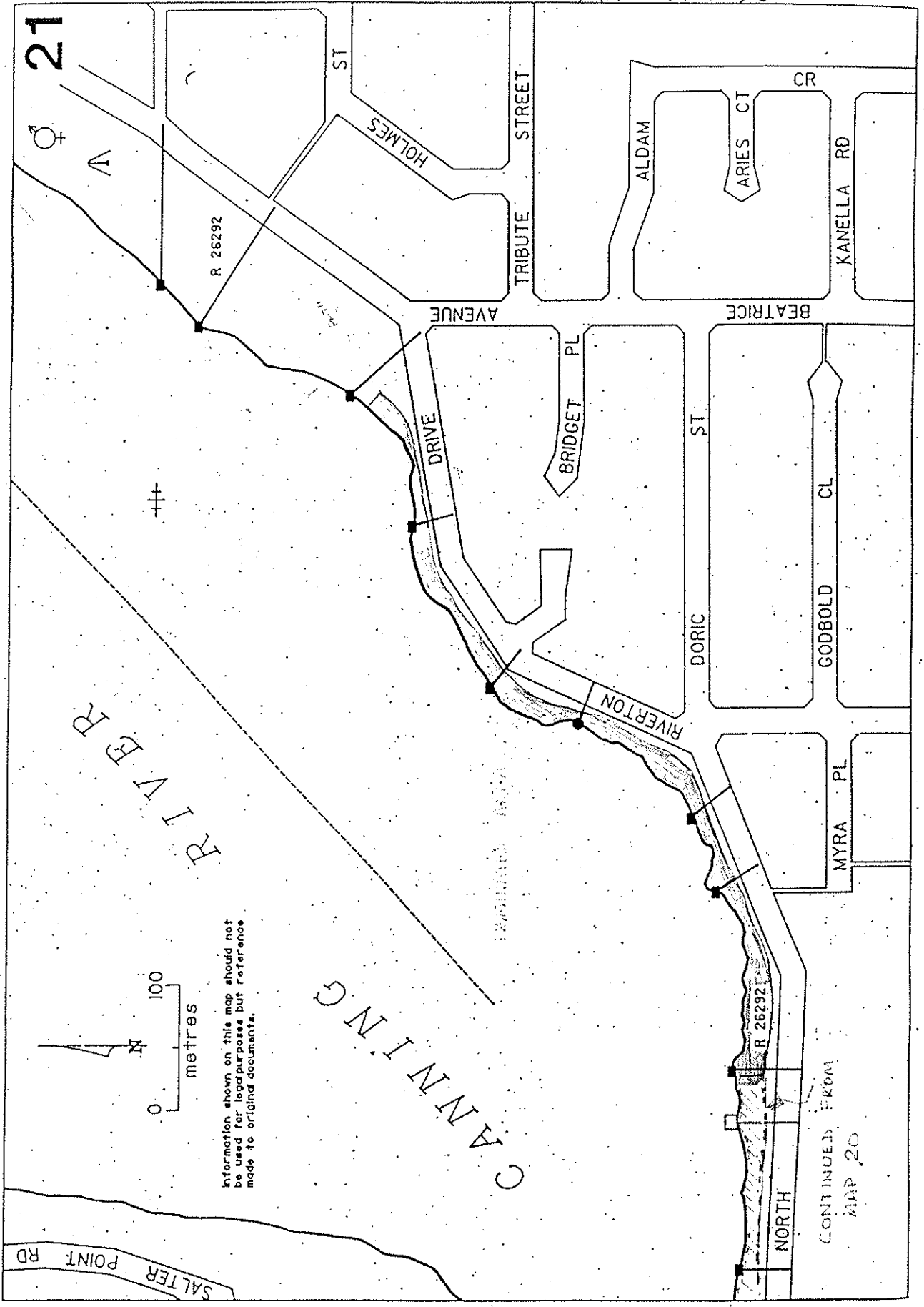


THE AREA IDENTIFIED BETWEEN CYCLEWAY AND LOW WATER EDGE OF VEGETATION ON THIS SHEET ONLY IS TO BE APPROX.



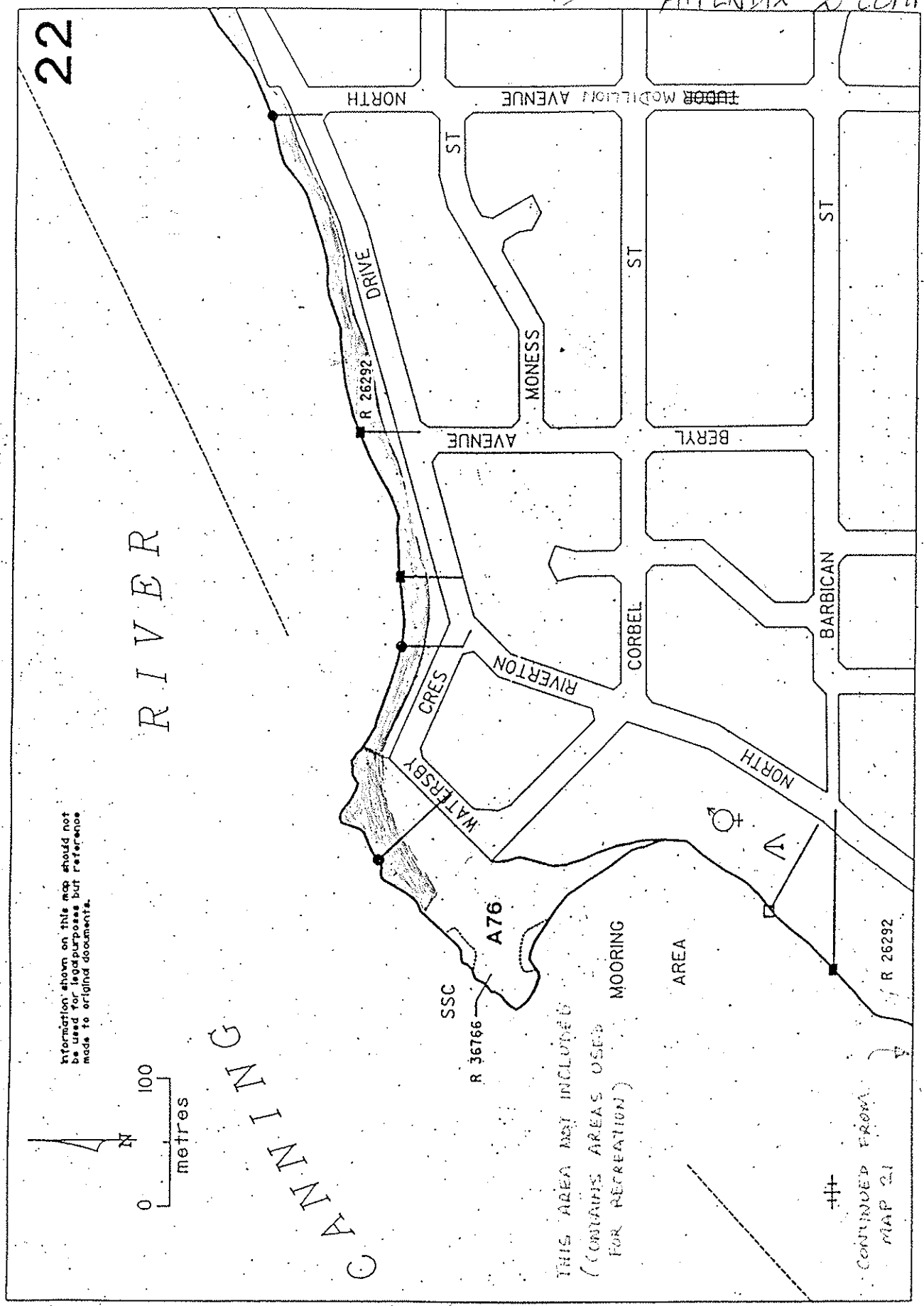
Information shown on this map should not be used for legal purposes but reference made to original documents.

• THE AREA IDENTIFIED BETWEEN CYCLE WAY AND LOW WATER / EDGE OF VEGETATION ON THIS SHEET ONLY = 1.0 ha. approx.

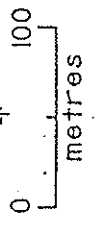


• THE AREA IDENTIFIED BETWEEN CYCLEWAY AND LOW WATER / EDGE OF VEGETATION ON THIS SHEET ONLY = 1-18 AND RECORD.

22



Information shown on this map should not be used for legal purposes but reference made to original documents.

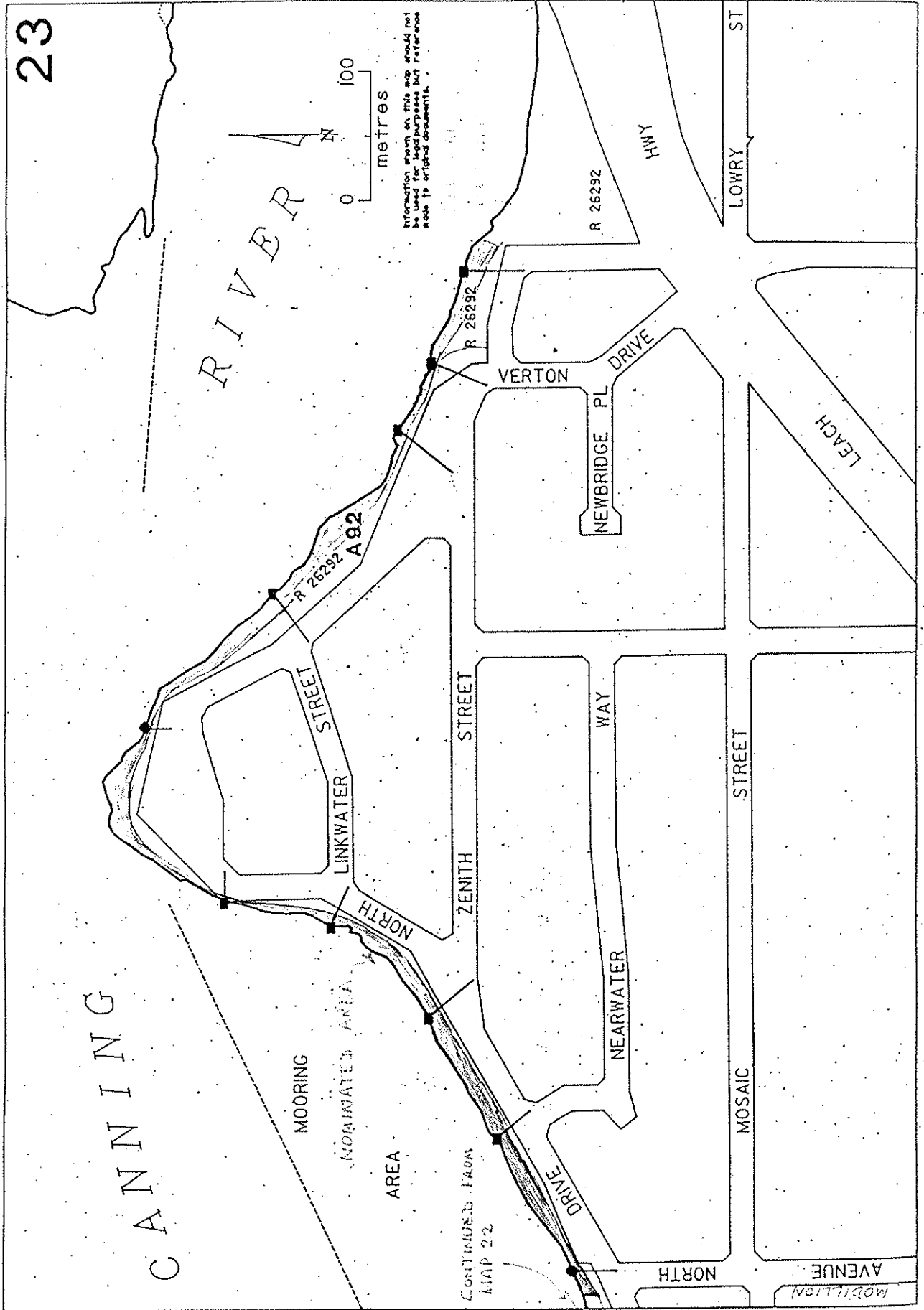


ANNIN RIVER

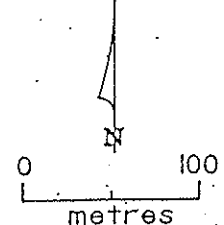
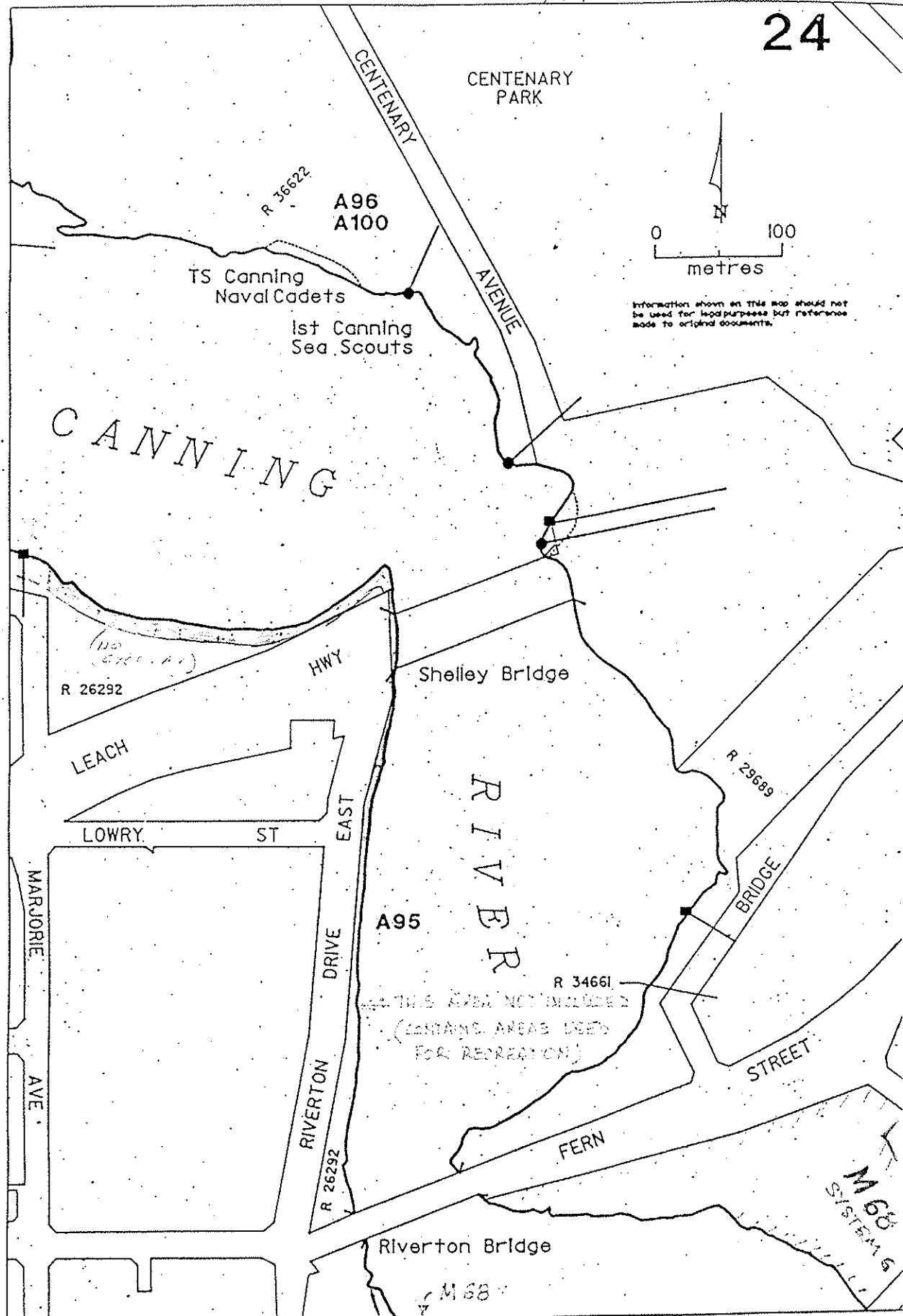
THIS AREA NOT INCLUDED (CONTAINS AREAS USED FOR RECREATION)

CONTINUED FROM MAP 21

* THE AREA IDENTIFIED BETWEEN CYCLEWAY AND LOW WATER EDGE OF VEGETATION ON THIS MAP IS NOT TO BE USED FOR RECREATION.



• THE AREA IDENTIFIED BETWEEN CYCLEWAY AND LOW WATER EDGE OF
 CANNINGTON RIVER ON THIS STREET ONLY.



Information shown on this map should not be used for legal purposes but reference made to original documents.

* THE AREA IDENTIFIED BETWEEN GRASS AND LOW WATER/ EDGE OF VEGETATION ON THIS SHEET ONLY = GRASS AS SHOWN.

APPENDIX 3.

ADDITIONAL NOTE ON QUESTION 5

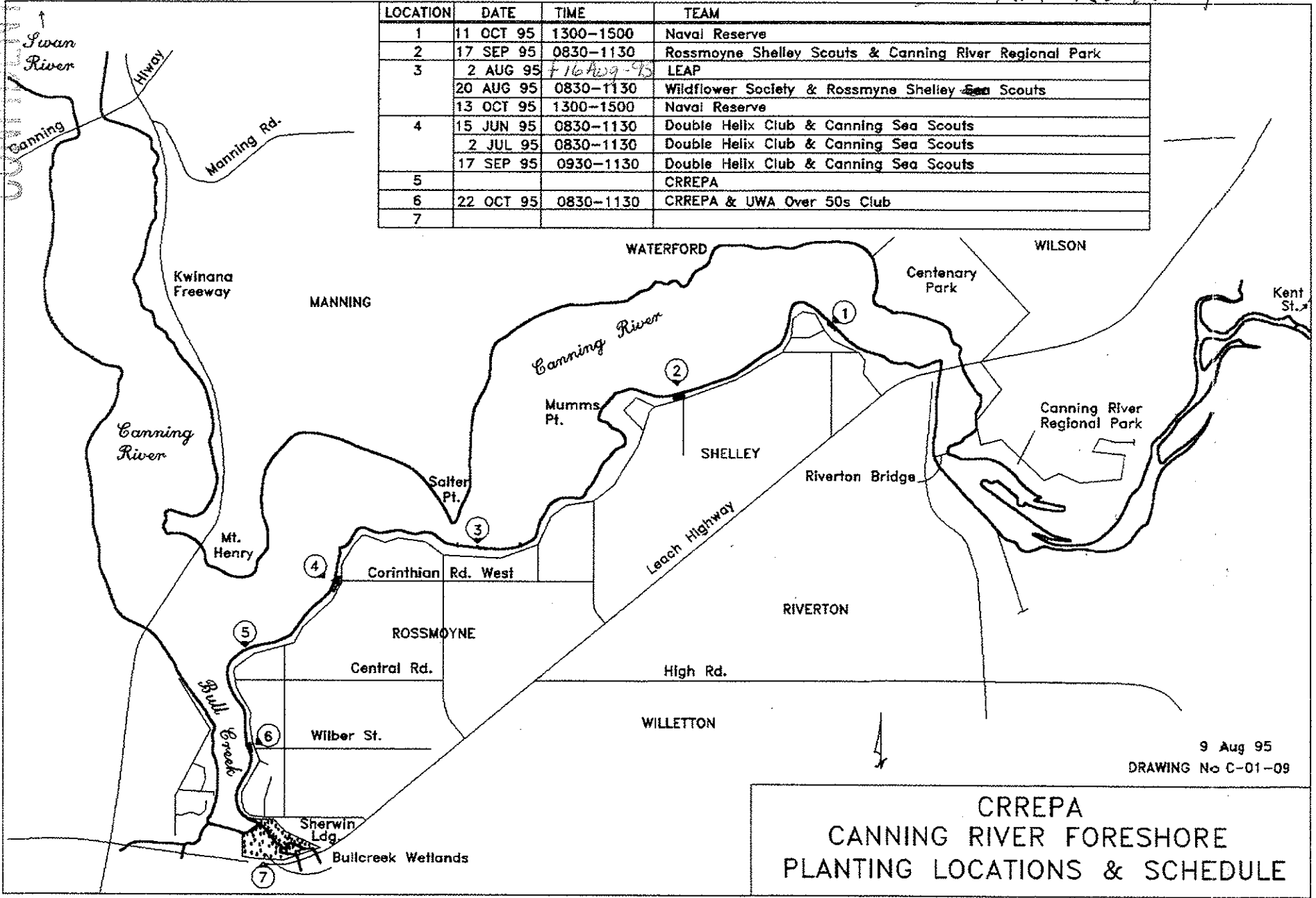
This is a unique example of a connecting corridor which links two existing Conservation Areas in the Lower Canning River. It is in very good condition and community groups are currently active in preventing erosion and degradation.

The area contains peripheral estuarine vegetation which is representative of the Lower Canning River and provides natural habitats for water birds, mammals, reptiles etc.

Suban 30

CONFIDENTIAL

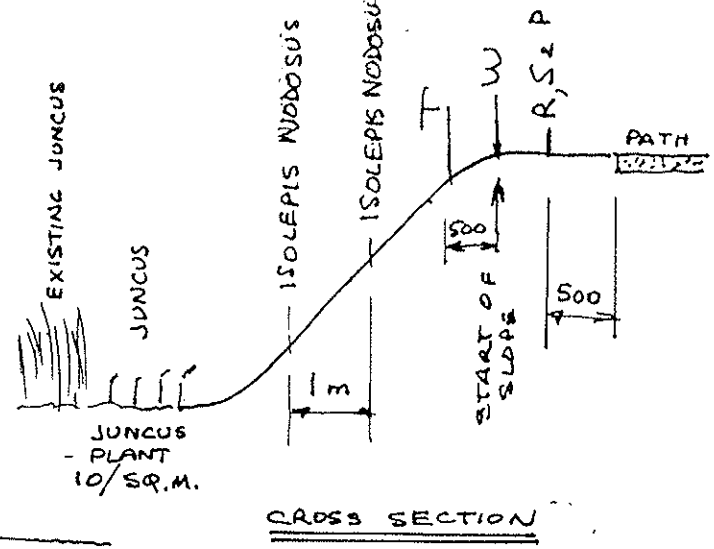
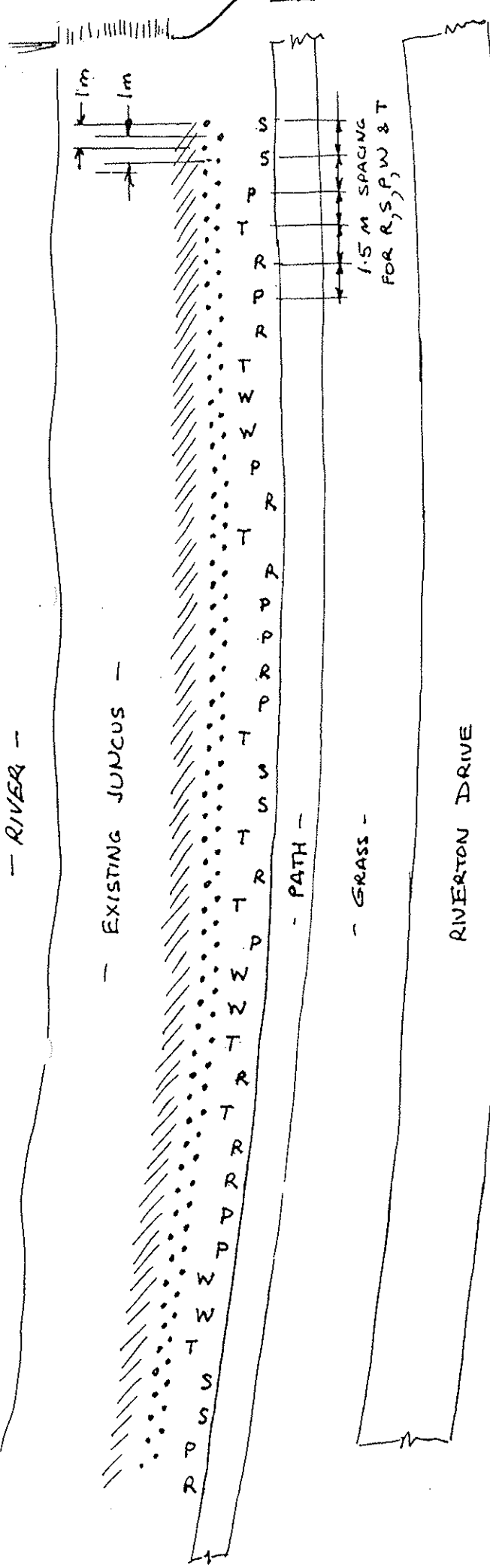
LOCATION	DATE	TIME	TEAM
1	11 OCT 95	1300-1500	Naval Reserve
2	17 SEP 95	0830-1130	Rossmoyne Shelley Scouts & Canning River Regional Park
3	2 AUG 95	7:16 Aug 95	LEAP
	20 AUG 95	0830-1130	Wildflower Society & Rossmoyne Shelley Sea Scouts
	13 OCT 95	1300-1500	Naval Reserve
4	15 JUN 95	0830-1130	Double Helix Club & Canning Sea Scouts
	2 JUL 95	0830-1130	Double Helix Club & Canning Sea Scouts
	17 SEP 95	0930-1130	Double Helix Club & Canning Sea Scouts
5			CRREPA
6	22 OCT 95	0830-1130	CRREPA & UWA Over 50s Club
7			



9 Aug 95
DRAWING No C-01-09

CRREPA
CANNING RIVER FORESHORE
PLANTING LOCATIONS & SCHEDULE

APPENDIX 4 CONT.



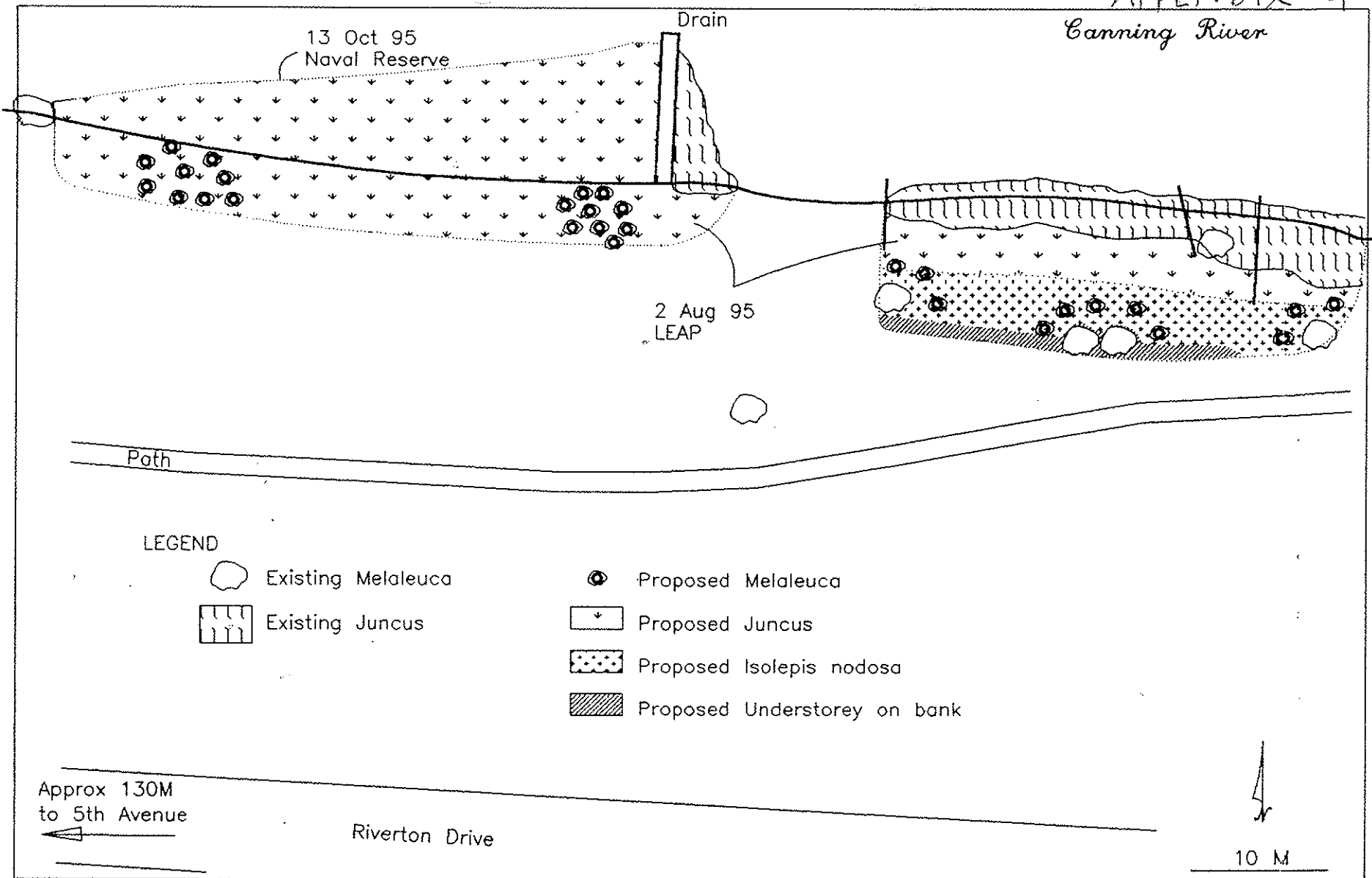
CORINTHIAN AVE

LEGEND







- R : KENNEDIA PROSTRATA (RUNNING POSTMAN) 10
- S : HEMIANDRA PUNGENS (SNAKE BUSH) 6
- T : ENCHYLAENA TOMENTOSA (BARRIEA SALT BUSH) 10
- P : PATERSONIA OCCIDENTALIS 10
- W : HARDENBERGIA COMPTONIANA (NATIVE WISTERIA) 6
- : ISOLEPIS NODOSUS 120
- /// : JUNCUS KRAUSSII (RUSH) 600

6 JUNE 95

LOCATION 5A.



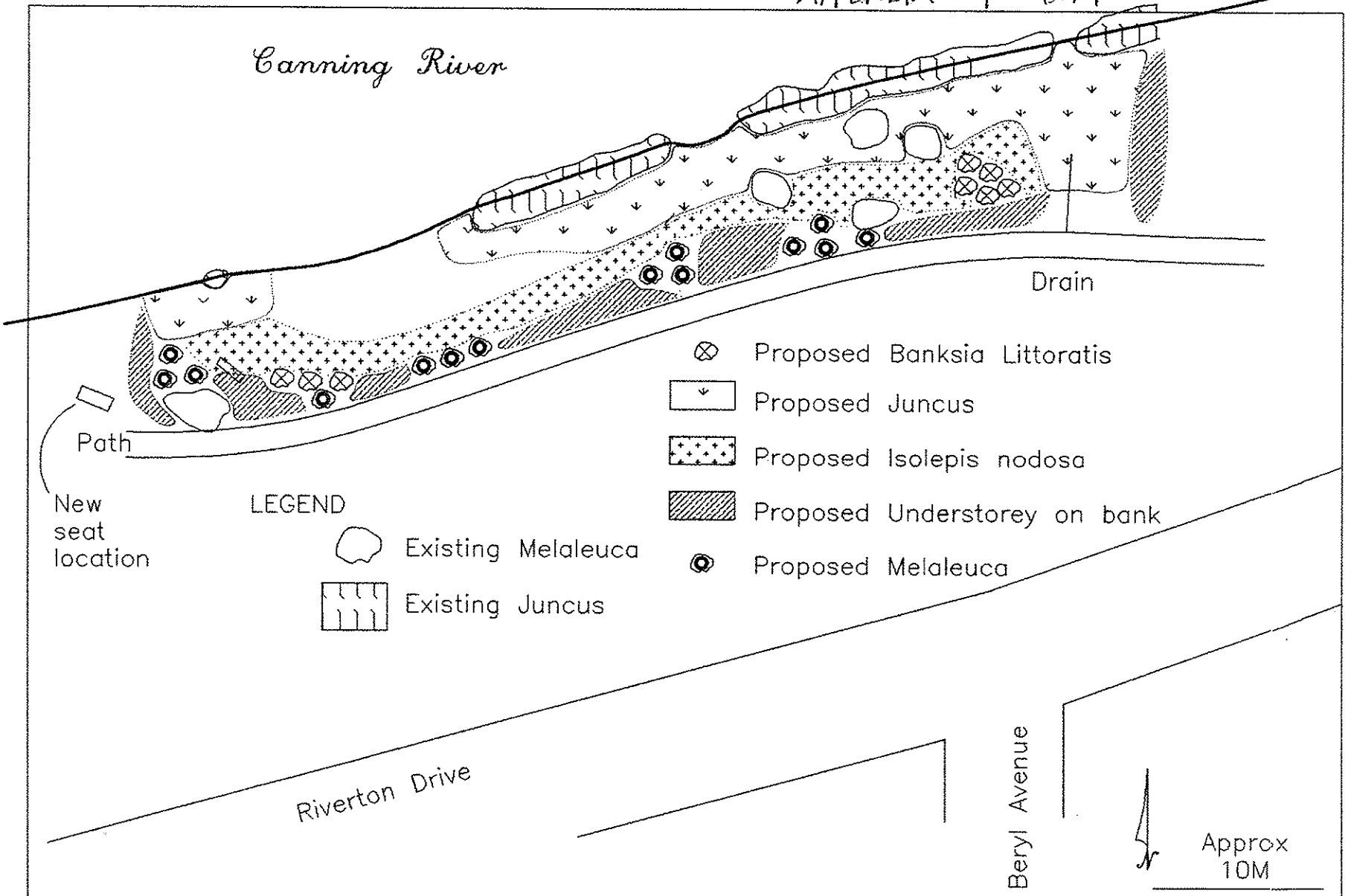
LEGEND

-  Existing Melaleuca
-  Existing Juncus
-  Proposed Melaleuca
-  Proposed Juncus
-  Proposed Isolepis nodosa
-  Proposed Understorey on bank

PLANTING AT LOCATION 3

CRREPA

8 Aug 95
 C-01-03



PLANTING AT LOCATION 2 CRREPA

9 Aug 95
C-01-02

FIFTH AVENUE/RIVERTON DRIVE

2-Aug-95

Family	Genus, species	Common Name	Soil Type	Vegetation Structure	Max. Height	Flower Colour	Flower Period	Status	Plant List Refs.	Desc. Ref.	Supplier	Seed/Plant Provenance	Planting Density
MIMOSACEAE	Acacia pulchella	Prickly Moses	D	S	0.5 m - 2m	Yellow	Jun/Oct		ST	FP		XN	
MYRTACEAE	Astartea fascicularis		W	S	1.2m - 3.3m	White	Oct/Feb		ST	FP		XN	
FABACEAE	Bossiaea eriocarpa	Common Brown Pea	D	S	to 0.6m	Brown/Yellow	Jul/Oct		ST	FP		XN	
CASUARINACEAE	Casuarina obesa	Swamp Sheoak	W/D	T	to 10.0m	m Rusty, f Reddish	all year		ST	FP		XN	
PAPILIONACEAE	Hardenbergia comptoniana	Native Wisteria	D	C	vine to 3.0m	Blue/Purple	Jun/Sep		ST	FP		XN	
FABACEAE	Hovea trisperma	Common Hovea	D	S	to 1.5m	Blue/Purple	Jun/Sep		ST	FP		XN	
MYRTACEAE	Hypocalymma angustifolium	White Myrtle	W	S	to 1.5m	White	Jul/Oct		ST	FP		XN	
CYPERACEAE	Isolepis nodosa	Knotted Club-Rush	D	SG	to 0.9m	Brown	Nov/Mar		ST	FP		XN	
JUNCACEAE	Juncus kraussii	Sea Rush	W	SG	to 1.2m	Brown	Nov/Dec		ST	FP		XN	
PAPILIONACEAE	Kennedia prostrata	Running Postman	D	C	Prostrate	Red	Jul/Nov		ST	FP		XN	
MYRTACEAE	Melaleuca raphiophylla	Swamp Paperbark	W/D	T	to 10.0m	White/Cream	Sep/Jan		ST	FP		XN	

CRREPA PLANTINGS - FLORA DETAILS

CORINTHIAN AVENUE/RIVERTON DRIVE

2-Jul-95

Family	Genus, species	Common Name	Soil Type	Vegetation Structure	Max. Height	Flower Colour	Flower Period	Status	Plant List Refs.	Desc. Ref.	Supplier	Seed/Plant Provenance	Planting Density
MYRTACEAE	Hypocalymma angustifolium	White Myrtle	W	S	to 1.5m	White	Jul/Oct		ST	FP		XN	
JUNCACEAE	Juncus kraussii	Sea Rush	W	SG	to 1.2m	Brown	Nov/Dec		ST	FP		XN	
CYPERACEAE	Isolepis nodosa	Knotted Club-Rush	D	SG	to 0.9m	Brown	Nov/Mar		ST	FP		XN	
CYPERACEAE	*Carex divisa	Divided Sedge	D	SG	to 1m	Brown	Sep/Oct		ST	FP		XN	
PROTEACEAE	Grevillea crithmifolia	Prostrate Grevillea	D	S	0.6m - 1.5m	White	Jul/Sep		ST	FP		XN	
PAPILIONACEAE	Kennedia prostrata	Running Postman	D	C	Prostrate	Red	Jul/Nov		ST	FP		XN	
IRIDACEAE	Patersonia occidentalis	Purple Flag	D	H	to 0.6m	Purple	Sep/Nov		ST	FP		XN	
PAPILIONACEAE	Hardenbergia comptoniana	Native Wisteria	D	C	vine to 3.0m	Blue/Purple	Jun/Sep		ST	FP		XN	
CASUARINACEAE	Casuarina obesa	Swamp Sheoak	D	T	to 10.0m	m Rusty, f Reddish	all year		ST	FP		XN	
MYRTACEAE	Mealeuca raphiophylla	Swamp Paperbark	D	T	to 10.0m	White/Cream	Sep/Jan		ST	FP		XN	

YAGAN BULLCREEK WETLANDS FLORA DETAILS

Family

Genus, Species

Common Name

Soil Type

W Wetland
D Dryland

Vegetation Structure

C Creeper
G Grass
H Herb
S Shrub
SG Sedge
T Tree

Maximum Height

Flower Colour

Flower Period

Status

P Priority Plant

Reference - Plant Lists

AW Significant Vegetation, Flora & Fauna Survey of Technical College Site (37134-Lot 2434) and Bull Creek Park (32563 - Lot 2435) City of Melville. Arthur S Weston, (1990).
BW Bullcreek Wetlands Management Plan, Bull Creek Wetlands Working Group, (1995).
YB Yagan/Bullcreek Wetland Reserve Draft Management Plan from 1995 to 2000, Canning River Residents Environment Protection Association (Inc), (1995).
CR Canning River Residents Environment Protection Association (Inc), (CRREPA) project site herbarium.
ST Swan River Trust
A Apace Western Australia, Nursery, Johannah Street, North Fremantle.
C Carramar Coastal Nursery, Lot 5/885 Mandurah Road, Secret Harbour.
E Ecosystems Management Services, Nursery, Lot 6 Della Road, Noranda.

Reference - Description

FP "Flora of the Perth Region", Marchant N.G. et al.,
BG "How to Know Western Australian Wildflowers", Blackall & Grieve.

Supplier

A Apace Western Australia, Nursery, Johannah Street, North Fremantle.
C Carramar Coastal Nursery, Lot 5/885 Mandurah Road, Secret Harbour.
E Ecosystems Management Services, Nursery, Lot 6 Della Road, Noranda.

Seed/Plant Provenance

L Local - From either project site, adjacent creek or river foreshores, or remnant vegetation in neighbourhood (restricted by soil types).
XO External - From seed orchards.
XN External - Not from seed orchards, not from 'local' bushland.

Planting Density

Possible additions to data list:

Pollinator

Fauna Association (detailed on separate Fauna data list)

Soil Structure

Location (referenced to grid map of project site)

Name: Margot and Cam Ross Telephone (H) (09) 457 7827
(W) (09) 227 3475

Home Address: 41 Riverton Drive
Rossmoyne WA 6148

Counting Site: Foreshore Bullcreek

GREAT AUSTRALIAN BIRD COUNT

DATE	13/6/93	20/6/93	27/6/93	4/7/93	12/7/93	19/7/93
STARTING TIME	9.00am	9.00am	9.00am	9.00am	9.00am	9.00am
FINISHING TIME	9.30am	9.30am	9.30am	9.30am	9.30am	9.30am
BIRD SPECIES						
Black Cockatoos		6				
Brown Ducks	9	13	6	10	10	8
Coots		4	3	3	3	4
Cormorants	3	200		1	3	4
Crows	4	2		12	2	6
Doves	3		4	4		2
Honey Eaters	17	5	5	3	3	8
Large Egret		4			1	2
Magpies	2	2	1	2	1	
Magpie-Larks	3	5	4			5
Pelicans		2	2	1	2	2
Silver Gulls	10	8	7	7	13	16
Swallows	2	10	3			
Twenty Eight Parrots	1	7	1	3	5	2
Willy Wagtail		1		1	3	1
Mallard Ducks (adults)	8	9	5	5	5	4
Mallard Ducks (babies)			3	1	4	5
Brown Ducks (babies)			1	10	10	8
Silver Eyes			5			
Pacific Heron					2	
Wattlebirds			3	6	4	6
TOTAL	62	278	53	69	71	83
Weather	Drizzly	Fine	Heavy Rain	Fine	Cold, Dull, Overcast	Fine Sunny

Bibliography

* Morcombe Michael

* Storr G.M. Johnstone R.E.

The Great Australian Birdfinder

A Field Guide to the Birds of Western Australia.

BIRDS SITED ON FORESHORE BETWEEN CONINTIAN RD & PLEASANT PLACE.

Osprey
Little eagle
Aust. hobby
Black shouldered kite
Mannaan night heron
Large egret
White faced heron
Sacred ibis
Spoonbill
Black swan
Greenshank
Hooded plover
Clamorous reed warbler
Australasian little grebe
Eurasian coot
Grey teal
Mand duck
Pacific black duck
Fairy tern
Caspian tern
Darter
Little pied cormorant
Pied cormorant
Great cormorant
Little black cormorant
Sacred kingfisher
Pelican
Silver gull
Black faced cuckoo shrike
Red wattlebird
Little wattlebird
Rainbow bee-eater
Mistletoe bird
Striated pardalote
New holland honeyeater
Singing honeyeater
Brown honeyeater
Silver eye
White tailed black cockatoo
Galah
Red capped parrot
Ringneck parrot
Welcome swallow
Willie wagtail
Australian magpie lark
Magpie
Australian raven

██████████
Rainbow lorikeet *
Pigeon *
Laughing larkie dove *

Gardwell

BIRDS SIGHTED

From Linkwater Street-Shelley Bridge

Mountain Duck
Grey Teal
Great Egret
Little Pied Cormorant
Little Black Cormorant
Hoary-Headed Grebe
Welcome Swallow
Black Duck
Silver Gull
Raven
Brown Honey Eater
Singing Honey Eater
Mistletoe Bird
Willie Wagtail
Magpie
Avocet
Rails
Spotless Crake (rare)
Sharp Tailed Sandpipers (migratory from Siberia)
Pink and Grey Galahs
Corellas
Wooded Ducks
Blue-Winged Shoveller
Hardheads
Swamp Harrier
Stilts
Green Shank

J. Stone