



Audit of the Swan River Management Strategy: A Status Report



Swan River Trust
Report No. 31
1999





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TERMS OF REFERENCE

In 1986 the State Government established a Task Force to prepare an overall Management Strategy for the Swan and Canning rivers. In the absence of a detailed management program this document remains the blue-print for managing the Swan and Canning rivers.

The Strategy highlighted seven major issues facing the river system as a whole and outlined 259 recommendations to address them. As part of the Swan River Trust's normal auditing program, these recommendations were reviewed in 1994, to establish their status. In 1998 a second audit was completed to assess further progress towards implementing the 259 recommendations contained in the original strategy.

This document summarises action taken since 1994 to implement each of the recommendations.

ACKNOWLEDGMENTS

The Trust would like to thank all local government authorities for their continuing effort towards the protection of the river and the surrounding environment and in particular for the time in putting together the following information as part of the audit of Swan River Management Strategy.

The Trust also appreciates the assistance of other state government departments and associations for their part in compiling this report.

A list of contact persons is included below.

Thanks are expressed to Nicola Vinicombe for preparing the document, Paul Stephens for his assistance in reviewing the document, and Rita Sputore-Keller and Silvana Affolter for assistance in formatting the document.

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FOREWORD

On behalf of the Swan River Trust I have great pleasure in releasing this document, the second review of the Swan River Trust Management Strategy since its release in September 1987. In the absence of a detailed management program the Strategy has remained a blue print for managing the Swan and Canning rivers.

The Strategy has been supplemented by a number of other initiatives and programs that have been developed since the last audit. The Swan–Canning Cleanup Program, developed to improve water quality, has extended the boundaries well beyond just the river and its foreshores as recommended in the Swan River Trust Management Strategy, to include the much wider area of the Swan Avon catchment.

The Government, since the last review in 1994 has released the Swan–Canning EPP, which provides further legislation to specifically protect the Swan and Canning rivers, and which calls for the development of a Comprehensive Management Plan for their management.

The Trust has also substantially completed a review of its Management Area, a review of all its development policies, which were first developed in 1993, and the development of precinct policies for two sections of the river.

In addition to these initiatives this report highlights and summarises the valuable and significant contribution that State and local government agencies and the community have achieved since towards the implementation of this strategy. Much of which has been undertaken in a climate of fiscal restraint.

I would like to take this opportunity to thank the large numbers of stakeholders who have remained committed over the past four years, to improving the health of the waterways through their efforts. It is heartening to see that so many groups and organisations are dedicated to protecting our waterways for the benefit of future generations.

G.F. Totterdell
Chairperson



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1.0 Background – The River

The Swan and Canning rivers is arguably Perth's most single valuable asset, and as such holds a special place in the psyche of most West Australians.

The river system is the centrepiece of Perth, a modern growing metropolitan city from which urban development emanates in all directions.

It forms an important tourist, recreational, and scenic resource, which in a rapidly expanding urban environment needs to be balanced and managed effectively so as not to destroy this most valuable resource.

In 1996 the Government announced the establishment of two studies. The first involved the establishment of the Swan River Management Strategy, which was released in 1998, following public comment.

The second involved an independent Legislative and Administrative review of procedures affecting the river, which resulted in the formation of the Swan River Trust and Swan River Trust Act 1988, to coordinate development on the Swan and Canning rivers. The Trust was also given the responsibility to implement the Swan River Management Strategy.

1.1 The Swan River Management Strategy

The Swan River strategy was developed with the aim "to balance the competing demands for use and development with the need to conserve and enhance the functional healthy river environment for the enjoyment of present and future generations".

The Strategy provides an overall plan for action by:

- Identifying the roles and responsibilities of the various agencies for the future management of the river.
- Highlights seven major issues that needed to be addressed:- Land-use and River Planning; Conservation and Environmental Protection; Recreation and Tourism; Navigation and Boating Safety; Fishing; Public Participation and Management.
- Outlines objectives for each of these issues and makes recommendations for achieving them. In all 259 are listed.
- Outlines means for implementing and monitoring of the Strategy.

The Strategy treated the Swan and Canning rivers and the foreshore as a single entity with local government being responsible for the management of foreshores.

The Swan River Trust was responsible for the implementation of the Strategy.

1.2 1994 Review

The Swan River Trust as part of the normal auditing process undertook a complete review of the Strategy in 1994, to report to the community and government on the status of each of the 259 recommendations.

This review highlighted those recommendations that were considered by the Trust to have a higher priority for implementation. These are highlighted in bold in the tables to follow in Section 2, and in a summary listed in Section 4.

1.3 1998 Status Report - Method

This is the second status report of the strategy since its inception in 1988 and formed part of the Swan River Trust annual report to the general community.

The auditing process involved establishing the status of the each of the recommendations which was achieved by:

- Internal consultations with Swan River Trust and Water and Rivers Commission officers.
- Requesting advice from the lead agency where nominated.

recommendations were categorised depending on the amount of work that had occurred. These are:

(i) Implemented:

A one-off recommendation that is complete, eg the promulgation of the SRT Act or the preparation of a management plan.



(ii) Ongoing:

Recommendations that are implemented in an ongoing manner, usually in accordance with the Act, SRMS or policies, eg acquisition of foreshore reserves.

(iii) Initiated:

Implementation of the recommendation has commenced, eg the formulation of a landscape plan for the river.

(iv) Seeking advice:

The status of the recommendation is not known and advice has been requested from the lead agency.

(v) No action:

No action has been initiated to implement the recommendation. This may be for a number of reasons including lack of resources or in some instances the recommendation may be no longer relevant.

A summary of the 1998 review is listed in Section 3.

2.0 Strategy Recommendations

All recommendations are listed in numerical order. Agencies responsible for implementation of the recommendation are identified in brackets. The lead agency is the first listed. A list of abbreviations is located at the back of the document.

The following departments have had a name change since the Strategy was first published. These are:

- Department of Environmental Protection (DEP) formerly Environmental Protection Authority (EPA).
- Department of Transport (DOT) formerly Department of Marine and Harbours (DMH).
- Western Australian Planning Commission (WAPC) formerly State Planning Commission (SPC)
- Ministry for Planning (MFP) formerly Department of Planning and Urban Development (DPUD).
- Ministry of Sport and Recreation (MSR) formerly Department of Sport and Recreation (DSR).
- Perth City Council has been split into four local authorities: The Town of Vincent; City of Perth; Town of Victoria Park and Town of Cambridge.

Section 2.1:General Recommendations are listed first and numbered from 1 to 133 inclusive. Section 2.2:Area Recommendations are numbered from A1 to A126. The review is best read with reference to the original document. These are still available from the Trust although numbers are limited.

Recommendations from the 1994 review for further action are marked in bold next to the appropriate recommendation.

A large number of management plans, studies and committees are discussed in the document. Where documents have been published they are listed in Section 5: References. Management plans are listed in Appendix 1. Appendix 2 lists committees that the Trust is a participant on.

2.1 General Recommendations



LAND USE AND RIVER PLANNING

FORESHORE RESERVES

1988 Recommendations	1994 Status	Current Status
<p>1. Treat all the foreshore reserves and the waterways of the Swan and Canning Rivers as a single entity for the purposes of planning and management (MFP, SRT).</p>	<p>Implemented (SRT Act) - The "long title" of the Act clearly states this.</p>	<p>Implemented as in 1994</p>
<p>2. Undertake studies to determine the need for and location of Parks and Recreation Reservation over river foreshores not currently in the MRS and amend MRS accordingly (MFP, SRT, LGA).</p>	<p>Initiated - The Trust and the Department of Planning and Urban Development conducted a joint study in this regard for the Canning, Southern and Wungong Rivers in the City of Armadale. An area on the Southern River recommended for inclusion into the Parks and Recreation Reservation was recently reserved for this purpose in a MRS amendment.</p>	<p>Ongoing implementation through subdivision and MRS Amendments.</p> <p>Darling Range Regional Park and Landscape Study prepared 1993 (MFP), Proposals for the Darling Range Regional Park 1995. Darling Range Regional Park to be handed over to CALM on 1 July 1999 from MFP. A management plan is to be prepared.</p> <p>Shire of Mundaring: Draft Public Open Space Study currently being assessed by the WAPC (May 1996).</p> <p>Shire of Swan: Currently raising issue with MFP.</p> <p>City of South Perth: Identified Brother Keaney's Gardens Clontarf and Mt Henry Feature, both System 6 areas, for P and R Reservation under the MRS in their respective management plans.</p> <p>Armadale Regional Open Space Study (1991) formed basis of a MRS amendment to include a foreshore reserve along the Canning River, which was unsuccessful.</p> <p><i>Comment: There is a need to undertake further studies to establish areas not yet included in the MRS as Parks and Recreation reserve, such as Southern and Wungong Rivers foreshores.</i></p>

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FORESHORE RESERVES

1988 Recommendations	1994 Status	Current Status
<p>3. Undertake accurate boundary definition of all existing Parks and Recreation Reservations over the river foreshore and amend MRS accordingly (MFP).</p>	<p>Initiated - SRT undertakes this on an ad-hoc basis in conjunction with the statutory applications process. However there is a need to assemble this information and identify gaps in the data.</p> <p>It is recommended that this project proceed as a high priority.</p>	<p>Ongoing. Establishment of P and R Reservation boundaries undertaken through subdivision and MRS Amendment process. eg Mosman Park: Green Place to the Coombe (Western Suburbs Omnibus Amendment No 2), Shelley/Rossmoyne foreshore amendments, Melville foreshore amendments, inclusion of a P & R Reservation at Mercy Hospital foreshore (North West Corridor Omnibus Amendment No 2).</p> <p>MFP currently considering a proposal to undertake a study of the P & R Reserves at Freshwater Bay.</p> <p>Parks and Recreation Reservations are now on a digital data base direct from the MFP, and are updated periodically.</p> <p>SRT Management Area has also been recorded and digitised, as part of a review of the SRT Management Area.</p> <p><i>Comment: Local governments will be provided copies of the SRT management area, once it has been finalised.</i></p>
<p>4. Establish a priority order for acquiring foreshore land in the MRS Parks and Recreation Reservation in urban areas (MFP).</p>	<p>Ongoing - MFP assesses priorities annually.</p> <p>It is recommended that the Trust develop its own priorities and approach MFP for incorporation of these into MFP's annual list of priorities.</p>	<p>Ongoing: Acquisition occurs as and when development applications are progressed. MFP acquisition programme has been prepared.</p> <p>The Trust has not developed its own priorities to date.</p> <p><i>Comment: There is a need to establish agreements between the MFP and SRT to develop a coordinated response to foreshore P & R acquisition in response to development applications involving reserved land.</i></p> <p>Recommendation included in Clause 30 A review process.</p>

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FORESHORE RESERVES

1988 Recommendations	1994 Status	Current Status
<p>5. Designate areas suitable for declaration as river Regional Parks, riverside recreation nodes, conservation areas and linear parks (MFP, LGA, SRT, CALM).</p>	<p>Initiated eg Leighton Peninsula, Canning Wetlands, Armadale Regional Open Space Study.</p>	<p>Ongoing: Considered during preparation of foreshore management plans.</p> <p>City of Canning: The Canning Wetlands has been designated as the Canning River Regional Park and a management plan prepared. CALM Act will include a category specifically to reserve land for Regional Parks. CALM to manage all Regional Parks following a cabinet decision in 1997.</p> <p>Towns of Mosman Park and Cottesloe, City of Fremantle: In 1990 Cabinet gave in principle approval to establish the Leighton Peninsula as the Vlamingh Parklands. The Leighton Peninsula Park Study 1990, and Vlamingh Parklands Concept plan developed 1998.</p> <p>Shire of Swan has indicated that the Helena River and foreshore could become a Regional Park in the future.</p> <p>City of Armadale: Armadale Regional Open Space Study (1991) highlighted areas in need of reservation. MRS Amendments were unsuccessful.</p> <p>City of Stirling prepared Green Plan (1992) to establish links between significant conservation reserves. Council has resolved to include Green Plan in the next review of its Town Planning Scheme.</p> <p>City of South Perth has identified Brother Keaney's Gardens Clontarf and Mt Henry Feature as significant conservation areas requiring protection.</p>

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FORESHORE RESERVES

1988 Recommendations	1994 Status	Current Status
		<p>City of Gosnells currently producing a leisure plan to identify park precincts, assess community assets etc.</p> <p>Town of Vincent identified Banks Reserve as a riverside recreation node.</p> <p>City of Melville proposed community Planning Scheme No 5 designates areas of foreshore at Alfred Cove for nature conservation.</p> <p>Commonwealth funding has been provided to identify Perth’s Greenways. The draft document will be produced in December 1998.(MFP).</p>
<p>6. Develop foreshore reserves designated for recreational use to facilitate water-oriented activities or to enhance use of the river. Where adjacent waters are not suitable for water-oriented activities alternative activities should be considered (LGA, SRT, MSR, MFP, DOT).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>Investigate further during preparation of the Swan River Management Programme (SRMP).</p>	<p>Ongoing implementation as part of subdivision approvals. Conditions of subdivision approval often requires development of foreshore reserves.</p> <p>The SRT does not have the financial resources to develop foreshore reserves itself. SRT provides advice on proposed works as part of the statutory referral and development approval process, and assists in the preparation of management plans.</p> <p>Ministry for Sport and Recreation likewise is an advisory body only and is not responsible for actively developing foreshore areas.</p> <p>“Investigate further during preparation of the Swan River Management Programme (SRMP)”. The Management Programme has not been developed.</p>

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FORESHORE RESERVES

1988 Recommendations	1994 Status	Current Status
		<p>Foreshore reserves suitable for recreation purposes are developed as new areas of land along foreshores are subdivided. eg. Footpaths at Adios Estate Armadale; Jane Brook, Swan; North Bank Fremantle.</p> <p>Local Governments develop and upgrade foreshore facilities as finance becomes available and in accordance with management plans. eg. City of S. Perth: South Perth foreshore; City of Gosnells: Hester Park, and John Okey Davis; Shire of Swan: Fishmarket Reserve Kings Meadow, Middle Swan Reserve, and West Swan Swimming hole,</p> <p>Bayswater: Riverside Gardens; City of Canning: Riverton Bridge foreshore and Shelley Reserve.</p> <p>Improvements are planned for John Tonkin Park, East Fremantle; Banks Reserve, Town of Vincent; Minim Cove, Mosman Park; Barrack Square, Perth.</p> <p>Cycleways have been developed at McCallum Park, Victoria Park, along Belmont foreshore, Baigup Reserve and Bardon Park, Maylands.</p>
<p>7. Determine width and shape of foreshore reserves taking into account the following criteria: (MFP, SRT).</p> <ul style="list-style-type: none"> - Future land use. - Conservation of natural ecosystems. - Educational value. - Recreation links, including linear parks. - The flood plain. - Heritage values 	<p>Ongoing implementation in accordance with SRT Act. Always a major consideration when preparing management planning documents for sections of foreshore.</p>	<p>Ongoing Implementation. Swan River Trust undertakes assessment of applications to rezone land, using these criteria as part of the statutory referral process.</p> <p>As part of statutory referral process, SRT has requested on occasions that MFP reconsider MRS Parks and Recreation Reserve boundaries where the reserved area is considered inadequate. eg. Bindaring Parade, Peppermint Grove, Victoria Ave, Dalkeith.</p>

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FORESHORE RESERVES

1988 Recommendations	1994 Status	Current Status
<ul style="list-style-type: none"> - Landscape conservation. - Management access. - Public access. - Local and regional significance. - Erosion and accretion processes. - Wildlife corridors. 		<p>These criteria are included in SRT policies and are considered when preparing or commenting on foreshore management plans.</p>
<p>8. Identify management agencies for all foreshore reserves, including conservation areas (MFP, LGA, CALM, SRT).</p>	<p>Ongoing - Management agencies are identified as management plans are prepared. The Trust's policy specifies the agencies it believes are the appropriate managers for different reserve types.</p> <p>Investigate further during preparation of the Swan River Management Programme (SRMP).</p>	<p>Ongoing: Management agencies have been identified for existing foreshore areas, and are identified for proposed reserves as management plans are prepared.</p> <p>Swan Canning EPP requires the preparation of a Comprehensive Management Plan for the river. The Trust is overseeing the preparation of this plan, which will identify and establish agreements between all Management Agencies.</p> <p>There is a need to assess appropriateness of existing funding to adequately manage foreshore reserves.</p> <p><i>Comment: Swan River Management Programme (SRMP) not progressed.</i></p>
<p>9. Continue examination of alternatives to acquisition for land adjacent to water courses within rural areas, or where cost of land precludes acquisition (MFP).</p>	<p>Initiated - Subject of ongoing talks with MFP. Acquisition is still the main mechanism.</p> <p>Investigate the potential to acquire reserved land on change of ownership (SRT).</p> <p>Prepare a position paper on this issue (SRT).</p>	<p>Ongoing: “<i>Investigate the potential and prepare a position paper</i>”. This is not necessary as WAPC has an opportunity to purchase, if a claim for compensation is lodged following the first change of ownership.</p> <p>Property foreshore agreements are being included in a State Foreshore Policy being prepared by WRC.</p> <p>Written agreement exists between the MFP and SRT, to establish procedures for acquisition of foreshore reserves when compensation claims arise as a result of a development refusal, pursuant to Part 5 SRT Act.</p>

LAND USE AND RIVER PLANNING



FORESHORE RESERVES

1988 Recommendations	1994 Status	Current Status
10. Plan service corridors to provide for the combined needs of utilities so that all services cross the river at fewer locations, where the impact can be minimised (DPUD, and all relevant servicing agencies).	Ongoing implementation in accordance with SRT Act and staff advice on structure plans.	Ongoing implementation: Always a consideration when providing advice and comments to agencies in accordance with SRT Act. <i>Comment: Not all service providers seek advice early on in the planning stages. State Government agencies are required to seek development approval for works wholly within the Swan River Trust Management Area.</i>
11. Seek alternative alignments for new utility services which do not require a route through foreshores (MFP, and all relevant servicing agencies).	As above.	Ongoing implementation: As above

LAND USE AND RIVER PLANNING



LANDSCAPE PROTECTION

1988 Recommendations	1994 Status	Current Status
<p>12. Determine a suitable means of land use control which enables the character of rural areas to be maintained while avoiding the necessity for public authorities to purchase land (MFP).</p>	<p>Some local government authorities are addressing this issue in their rural strategies.</p> <p>See 9.</p>	<p>Ongoing implementation: Local governments address this in their respective rural strategies eg. City of Armadale, Shire of Mundaring Town Planning Scheme No 3, Shire of Swan Rural Strategy.</p> <p>Issue also to be addressed in the Swan Canning River System Precinct Policy Plan.</p> <p>Swan Valley Planning Act - 1995 promulgated.</p>
<p>13. Incorporate special zones into the MRS and Local Government Town Planning Schemes to give protection to valued landscapes, particularly in built-up areas where high land prices preclude acquisition, and in rural areas where much of the flood plain may remain in private ownership (MFP, LGA).</p>	<p>Ongoing implementation - Will be addressed during preparation of Swan River Landscape Plan. The SRT encourages LGA's to incorporate landscape protection clauses within Town Planning Scheme's, eg City of Armadale.</p>	<p>Ongoing implementation: SRT comments and advises on Local Government Town Planning Scheme Reviews.</p> <p>Landscape protection clauses are yet to be developed for inclusion in model town planning scheme - A study brief was prepared.</p> <p>SRT and MFP to develop precinct policies as part of overall Landscape Plan, which will used to develop a SPP.</p> <p>City of Stirling has resolved to incorporate “Green Plan” into the review of their Town Planning Scheme No 2, which imposes policies to protect conservation areas including foreshore reserves.</p> <p>City of Armadale is considering the potential for conservation areas as part of the review of their Town Planning Scheme.</p> <p>City of South Perth considered inclusion of conservation zones in its Town Planning Scheme but did not include them.</p>

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LANDSCAPE PROTECTION

1988 Recommendations	1994 Status	Current Status
		<p>City of Canning and Town of Bassendean have no special zones included.</p> <p>Town of Claremont TPS. Cl 50 provides protection for the escarpment at Freshwater Bay.</p> <p>Town of Mosman Park TPS Cl 5.1.2. addresses amenity issues</p> <p>City of Nedlands TPS has development control zones to protect river views.</p> <p>Town of East Fremantle: TPS has a clause to protect places of heritage value including natural heritage eg. Jerrat Drive.</p> <p>City of Perth: Design Guidelines limit overshadowing of foreshore reserves and impose height restrictions at Mt Elisa to protect views.</p> <p>Town of Vincent: Area bounded by Gardiner St, Pakenham St and Joel Tce, subject to hydrological studies prior to development approval.</p> <p>City of Bayswater: Landscape protection to be considered as part of review of TPS.</p> <p>City of Gosnells: Current review of TPS has not included any special zones, however may be undertaken as part of Local planning Strategy.</p> <p>City of Melville: No special zones in TPS No 5. Low density proposed adjacent to river foreshore.</p>

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LANDSCAPE PROTECTION

1988 Recommendations	1994 Status	Current Status
		Further consideration will be given to statutory aspects of landscape protection as part of the development of the Swan Canning River System Precinct Policy Plan.
<p>14. Prepare an overall landscape plan in order to coordinate landscape enhancement proposals. This should include the formation of local government advisory groups, responsible for ensuring consistency of landscape plans according to the Management Areas defined in Map 2 (LGA, MFP, SRT).</p>	<p>Initiated - A Landscape Plan for the Swan River is in preparation. A study brief for the preparation of model town planning scheme (as part of the landscape study) has been circulated to LGA's for comment.</p>	<p>Ongoing: The Landscape Description has been prepared It provides a background for the formulation of landscape and development control policies.</p> <p>SRT and MFP have provided funding to develop a Swan Canning River System Precinct Policy Plan. The first stage is to develop precinct policies for two precincts as pilot studies for the overall policy plan. It is expected that landscape guidelines will be included in each precinct plan.</p> <p>Landscape enhancement proposals form part of foreshore management plans. Advisory groups usually form part of management plan steering committees.</p> <p><i>Comment: Model Town Planning Scheme Clauses for landscape protection were not developed. A study brief for the appointment of a consultant was prepared but not developed further (refer Rec 27).</i></p>
<p>15. Formulate landscape guidelines in consultation with the Australian Institute of Landscape Architects. Guidelines should include preserving existing vegetation, regeneration of native flora, preservation of an replanting of significant stands of exotic trees (MFP, WC, TS).</p>	<p>Initiated (see 14).</p>	<p>Initiated as above. Precinct policy plans to be developed and included into a SPP. It is expected that landscape guidelines will be included in each precinct plan.</p> <p>Landscape guidelines included in North Fremantle and North Bank Management plans.</p> <p>East Fremantle has developed a Foreshore Landscape Plan.</p>

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LANDSCAPE PROTECTION

1988 Recommendations	1994 Status	Current Status
<p>16. Develop site design criteria and development guidelines for recreation nodes (MFP, SRT). Specific aspects that should be considered are:</p> <ul style="list-style-type: none"> - Recreation nodes should be complementary to each other. - Site design should provide a variety of onshore and offshore activities. - Interpretative and educational facilities. - A variety of modes of access, ie. boat, vehicle, foot. - Toilet facilities and car parking. - Imaginative broad spectrum recreational opportunities, eg. mazes, giant chess sets, bridle paths, interpretative play equipment, water play grounds, particularly where adjacent waters are not suitable for activities. 	<p>Initiated (see 14).</p>	<p>Initiated: SRT Policies requires foreshore management plans to be prepared for all large lot subdivisions and by State and local governments who own land either in fee simple or by vesting.</p> <p>Trust policies also provide guidelines for the preparation of foreshore management plans and state what criteria should be considered as in Rec 16.</p> <p>Swan Canning River System Precinct Policy Plan will further develop site design criteria. This plan will eventually address Recs 14, 15, 16.</p>
<p>17. Control advertising within the Management Area in accordance with the SRT Act (SRT).</p>	<p>Ongoing implementation in accordance with the SRT Act. Advertising hoardings are developments pursuant the Act.</p> <p>A draft signage policy is in preparation by the Trust.</p>	<p>Ongoing Implementation: A draft signage policy has been completed and is being updated and finalised as part of an overall review of SRT policies.</p>

LAND USE AND RIVER PLANNING



PUBLIC ACCESS

1988 Recommendations	1994 Status	Current Status
<p>18. Continue the practice of reserving and acquiring (where possible) river foreshore land to provide public access (MFP).</p>	<p>Ongoing implementation in accordance with the SRT Act and when providing advice to the MFP on subdivision proposals and Metropolitan Region Scheme amendments.</p>	<p>Ongoing as in 1994. Linked to Rec 4.</p> <p>Foreshore land at Mercy Hospital (St Anne's) Maylands has been reserved and purchased by WAPC.</p> <p>Foreshore land has been acquired at Market Street and Helena Street in the Shire of Swan.</p>
<p>19. Investigate the feasibility of entering into agreement with private land owners to ensure the right of public access, while protecting the rights of land owners, and achieving satisfactory public liability arrangements (MFP).</p>	<p>Initiated: The Draft Freshwater Bay Management Plan has recommendations regarding this. This plan has been prepared by the Trust.</p> <p>Bike West is negotiating with private owners near Saint Annes to allow a Dual use path (DUP).</p>	<p>Initiated: Private property foreshore agreements are being considered and included in the State Foreshore Policy being prepared by WRC.</p>
<p>20. Restrict public access in environmentally sensitive wetlands and other conservation areas according to management plans (CALM, MFP, LGA, SRT).</p>	<p>Ongoing implementation in accordance with SRT Act and preparation and assessment of management plans (See Appendix 1 for list of plans to date).</p> <p>The Trust considers there is an ongoing need for public education in this regard.</p>	<p>Ongoing as in 1994. Local government authorities are continually installing and maintaining bollarding to control public access to areas of the river foreshore eg. Aerodrome Reserve Maylands, sections along the Canning River, Rossmoyne, Salter Point.</p> <p>City of South Perth: proposed fencing along Waterford foreshore which the local community objected to. Proposal has been deferred for 12 months.</p> <p>Town of Claremont: Freshwater Bay Management Plan will address vehicle access to foreshore between Museum and Chester Road.</p> <p>Shire of Swan: Swan Backwater. Restricted access needs to be considered as part of the proposed management plan.</p>

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PUBLIC ACCESS

1988 Recommendations	1994 Status	Current Status
		<p>City of Gosnells: There is a need to identify environmentally sensitive foreshore areas.</p> <p>City of Bayswater: restricted access to mosquito control areas already in place.</p>
<p>21. Complete dual-use paths around the river in consultation with relevant agencies. Design paths to: (DLG, LGA, SRT)</p> <ul style="list-style-type: none"> - Be set back from the river's edge where possible. - Avoid environmentally sensitive areas (eg. System 6 Recommendations). - Avoid unsuitable topography where construction costs are high. - Avoid existing and planned foreshore developments. - Avoid isolating areas of the foreshore from adjacent parklands. - Avoid destruction of native vegetation. - Detour away from the foreshore to other areas of scenic, historic or scientific interest. 	<p>Ongoing implementation in accordance with SRT Act.</p> <p>The Trust appreciates there is a need to recognise growing use of cycleways for commuting. Commuter cycleways do not need to be situated near the river. The Trust considers these conflict with other uses of foreshore areas.</p> <p>Subject to Trust policy.</p>	<p>Ongoing implementation: Main Roads WA is also responsible for dual use paths. Cyclepaths are proposed for Burswood Bridge, and from Burswood Island to City Northern By-Pass. Realignment of existing cycleways has been undertaken to improve sight lines, improve flow and protect vegetation along the Freeway at Manning and South Perth, McCallum Park, and the Causeway.</p> <p>Bikewest (Transport) promotes cycling as form of transport and provides funding for facilities including dual use paths.</p> <p>City of Canning: has undertaken maintenance of cycleways at Shelley, commenced paths in the Regional centre and Canning Regional Park. New cycleways are proposed between Adenia Reserve and Riverton Bridge.</p> <p>There are a number of dual use paths proposed. City of South Perth: Waterford Foreshore, Town of Bassendean: Ashfield Flats, Town of Vincent: Banks Reserve; Town Of Claremont: between Chester Road and the museum; Town of Mosman along Johnson Parade; City of Fremantle: connections between McCabe Street and the Pier 21 site;</p> <p>City of Gosnells: along northern banks of the Canning River.</p>

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1988 Recommendations	1994 Status	Current Status
		<p>City of Belmont: has constructed a dual use path along sections of the foreshore between Goodwood Parade and St John of God site in Great Eastern Highway.</p> <p>City of Stirling: has completed dual use path between Bardon Park and Baigup Reserve.</p> <p>City of Bayswater: completed paths at Riverside Gardens.</p> <p>Shire of Swan: proposed a path at Bennett Brook which met with objections from Aboriginal groups.</p> <p>City of Armadale: have a five year implementation programme. Several applications have been made for Work for the Dole projects to establish paths along the river foreshore. Roley Pool site to be commenced 1999.</p>
<p>22. Ensure the boundary between private property and the foreshore reserve is clearly defined. Development of private property should not intrude onto the foreshore reserve, discourage public access or use (SRT, LGA).</p>	<p>Ongoing implementation in accordance with SRT Act. A standard statutory condition is used by the Trust.</p> <p>The Trust has developed a standard condition requiring developers to define reserve boundaries prior to commencement of development. Subject to Trust policy.</p>	<p>Ongoing implementation in accordance with SRT Act. The Trust has for some time required that there be delineation between public and private land and has required that open view fencing be provided. This will need to be included in the standard conditions and review of Trust Policy.</p>

LAND USE AND RIVER PLANNING



PUBLIC ACCESS

1988 Recommendations	1994 Status	Current Status
<p>23. Promote (support) the development of heritage trails in the scenic and historic areas of the river environment, so as to develop an awareness of the natural and cultural heritage of the river, and improve access to it (HCWA, MFP, LGA, CALM, SRT).</p>	<p>Ongoing - Heritage trails have been established at Guildford and Claremont.</p>	<p>Ongoing implementation: Bicentennial funding (1988) provided to establish heritage trails at Guildford, Claremont, Maylands, Bayswater, Bassendean, Walyunga, Rocky Bay, Swan Valley. Local Governments took on custodial role on completion.</p> <p>City of Armadale: is developing a Cultural Plan, which will include reference to heritage trails.</p> <p>City of Stirling: is developing trails in accordance with Swan River Heritage Trail 1988. Proposed trail to link old brick works, Maylands claypits and Swan River, as part of redevelopment of the Maylands Peninsula.</p> <p>City of South Perth: launched the Como Heritage Trail April 1998.</p> <p>City of Canning: currently requesting funding from CALM to develop trails within Canning Regional Park.</p> <p>City of Nedlands: undertaking and Art and Public places Study which may include reference to heritage trails.</p> <p>Heritage trails are included in Freshwater Bay Management Plan, and Vlamingh Parklands Concept Plan.</p>
<p>24. Provide (deploy) clear sign posting to popular recreation areas and scenic locations on the river in accordance with recognised standards (LGA, MRWA, MFP, SRT, CALM).</p>	<p>Ongoing implementation in accordance with management plans developed or assessed by the Trust and in advice to other agencies.</p>	<p>Ongoing implementation in accordance with management plans. City of South Perth proposes installing four information shelters along the river using CALM signage manual.</p>

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PUBLIC ACCESS

1988 Recommendations	1994 Status	Current Status
		<p>City of Canning Management Policies (1997) support SRT Draft Signage policy. CREPPA deployed signs along Canning River foreshore.</p> <p>City of Subiaco: A consultant to review signage, including foreshore signage, in relation to parking.</p> <p>City of Perth: Consultant prepared a style guide for signage.</p> <p>Signage is addressed in the Freshwater Bay Management Plan.</p> <p>Shire of Swan: Signage needs to be revisited.</p> <p>City of Melville: Actively pursuing.</p> <p>CALM: Produced a signage manual in 1988 and it is currently being reviewed.</p>
<p>25. Design foreshore areas and facilities to provide access for the disabled (LGA, SRT, ACROD).</p>	<p>As above.</p>	<p>Ongoing implementation: Provision of access is a requirement pursuant to Disability Discrimination Act 1992. All LGA's were required to have a Disability Plan by Jan 1997.</p> <p>City of South Perth undertook a major audit of all facilities in 1996.</p> <p>City of Canning developed Community Inclusion Project Action Plan in 1995 to address and upgrade facilities for the disabled. Improvements to footpaths at Shelley formed part of the ongoing 6 year programme.</p>

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PUBLIC ACCESS

1988 Recommendations	1994 Status	Current Status
		<p>City of Armadale: A Cultural Plan is being developed.</p> <p>City of Perth: The Disability Task Force has developed an Action Plan.</p> <p>City of Stirling include disability access as part of landscaping checklist for statutory applications.</p> <p>City of Fremantle: undertaking an audit in accordance with the disability plan.</p> <p>Disabled access has been provided at the following locations. City of Bayswater: Ellis House, Hestor Park and Pioneer Park; Gosnells, Northbank foreshore; Fremantle.</p> <p>Disabled access being considered as part of redevelopment of Banks Reserve, Town of Vincent.</p>

LAND USE AND RIVER PLANNING



URBAN DEVELOPMENT

1988 Recommendations	1994 Status	Current Status
<p>26. Prepare a MFP policy statement guiding development on and adjacent to river foreshore Parks and Recreation Reservations. This will provide local government authorities with a basis for a consistent approach to development control (MFP, SRT).</p> <p>The policy should include reference to:</p> <ul style="list-style-type: none"> - Appropriate land use controls; - Building design and landscaping guidelines; - Traffic, vehicular access and parking considerations; - Flood management and protection; - Pollution and erosion control; <p>and the policy should set out clearly:</p> <ul style="list-style-type: none"> - Development application and consultation procedures; - Criteria to be used in assessment of applications. 	<p>The Trust and MFP have agreed that the preparation of this policy will proceed as a priority in 1994-95.</p> <p>An Environmental Protection Policy for the Swan and Canning Rivers is currently being prepared by DEP and Trust. This will address, in part, some of these matters.</p> <p>The SRT Act also provides for some control in this area.</p> <p>The Swan River Landscape Plan (in prep) will also address some of these matters.</p>	<p>Initiated: EPP for the Swan and Canning Rivers Gazetted 10 July 1998 which requires the development of a comprehensive management plan and program to set out appropriate environmental quality objectives for the policy area.</p> <p>SRT to develop and complete the comprehensive management plan in 1999.</p> <p>SRT and MFP have provided funding to develop a Swan Canning River System Precinct Policy Plan. The first stage is to develop precinct policies for two precincts as pilot studies for the overall policy plan, which will used to develop a Statement of Planning Policy.</p>

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URBAN DEVELOPMENT

1988 Recommendations	1994 Status	Current Status
<p>27. Prepare a set of model town planning scheme provisions relating to use and development within the river environment for incorporation within local government authority town planning schemes (MFP, Swan River Trust).</p>	<p>Initiated. The Trust is currently preparing a set of model town planning scheme clauses for landscape protection.</p> <p>It is recommended that this project proceed as a high priority.</p>	<p>No action: Model Town Planning Scheme Text prepared by the MFP. Clauses for landscape protection have not been prepared and included in the Model Town Planning Scheme Text. A consultants brief was prepared, by Trust officers, to develop clauses, but this did not proceed. This recommendation needs to be initiated.</p> <p>Proposed precinct policies and associated SPP will consider use and development for the river environment.</p> <p>SCCP recommends the use of statutory mechanisms such as Town Planning Schemes to improve land use management.</p>
<p>28. Prepare an overall management and development plan for river foreshore areas within each municipality. This plan is to be incorporated within the specific town planning scheme and to include specific development and land use controls (LGA, SRT).</p>	<p>Initiated -The Trust is working with LGA's on various management plans including one for the North Fremantle foreshore which may be included into the City of Fremantle's TPS.</p> <p>The Trust is aware that some non metropolitan LGA's have done this in consultation with the Waterways Commission.</p>	<p>Ongoing: Management plans have been developed for many of the foreshore areas. A complete list of these is provided in Appendix 1. SRT usually represented on steering committees for the preparation of management plans. It is expected that the precinct policy plans will provide a strategic framework.</p> <p>City of Melville: Town Planning scheme allows for adoption of policies on any matters. No overall management plan. Foreshore Restoration Strategy prepared 1998. Blackwall Reach Reserve Management Plan and Point Walter Foreshore Management Plan prepared.</p> <p>City of Canning: Yagan Wetland Reserve Management Plan completed, City of Canning Foreshore Management Policies 1997 completed, Lower Canning River Management Plan completed. Bannister Creek Management Plan in progress.</p>

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URBAN DEVELOPMENT

1988 Recommendations	1994 Status	Current Status
		<p>Town of Bassendean undertaking a review of all studies and plans. Management plans to be progressed for Point Reserve and Success Hill. Management plans for Ashfield Flats and Bindaring Park prepared 1988.</p> <p>City of Armadale: Contributed input to preparation of Upper Canning Southern Wungong Catchment Management Plan. No specific foreshore management plans undertaken.</p> <p>City of South Perth: Sir James Mitchell Park Management Plan in progress. Waterford, Western Foreshore, Mt Henry, Salter Point, and Clontarf Management Plans are all being reviewed.</p> <p>City of Belmont: Belmont Foreshore Environmental Management Plan prepared 1995 and Belmont Foreshore Rehabilitation Plan prepared 1998 for the river foreshore between Goodwood Parade and St John of God. Foreshore Landscape Master plan prepared for the Springs foreshore.</p> <p>City of Stirling: Baigup Wetland Reserve Management Plan prepared 1994-1999. Comprehensive monitoring of golfcourse undertaken each year. Berringa Park Management Plan prepared 1989.</p> <p>City of Gosnells: Hester Park Management Plan prepared.</p> <p>East Fremantle: East Fremantle Landscape Plan prepared.</p> <p>City of Claremont and Shire of Peppermint Grove: Freshwater Bay Management Plan prepared.</p>

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URBAN DEVELOPMENT

1988 Recommendations	1994 Status	Current Status
		<p>City of Perth: Riverside Drive and Foreshore landscaping Enhancement project - Draft completed.</p> <p>City of Fremantle: North Fremantle and North Bank Management Plan completed. “Green Plan” being developed.</p> <p>Shire of Swan: Brief prepared for South Guildford, Guildford and Helena River Management Plan. Preparing a plan for Viveash.</p> <p>City of Bayswater: Baigup and Riverside Gardens Management Plan prepared.</p>
<p>29. Ensure that any residential development in newly developing or undeveloped river locations has regard for: (MFP, LGA, SRT).</p> <ul style="list-style-type: none"> - The nature of the river foreshore reserve, whether conservation or recreation based. - The degree of modification to the foreshore. - The ability of the foreshore to sustain added usage. - The predominant characteristics of adjoining residential. - The degree of protection afforded to the foreshore, particularly to conservation areas. 	<p>Ongoing implementation in accordance with the SRT Act.</p>	<p>Ongoing implementation. Development applications referred to SRT pursuant to SRT ACT 1988 and Metropolitan Region Scheme Act.</p> <p>SRT assessment of statutory applications has regard for items listed at Rec 29.</p> <p>Town of Claremont: Minimum setback of 3 metres from the Parks and Recreation Reserve boundary, other than a fence and swimming pool, is included in a Scheme Amendment to TPS No 3.</p> <p>City of Fremantle: Policy area bounded by Alfred, Harvest, and Corkhill Roads require developments to have regard for height, scale, form, and retention of vegetation.</p> <p>Town of Bassendean: Policy No 13: Floodplain Management and Development Policy.</p>

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URBAN DEVELOPMENT

1988 Recommendations	1994 Status	Current Status
		<p>City of Armadale: Housing/Residential Strategy under review.</p> <p>City of Belmont: Draft Town Planning Scheme No 13 has been prepared to guide development in the Springs Special Development Precinct.</p>
<p>30. Review existing town planning schemes to ensure that residential density codes in urban areas adjoining river foreshore areas are appropriate to and compatible with the characteristics of the area (LGA, MFP, SRT).</p>	<p>The Trust has initiated the development of model town planning scheme clauses.</p>	<p>Ongoing implementation through WAPC assessment of Town Planning Scheme reviews, and will be incorporated in precinct policy plans.</p> <p>SCCP recommends the use of statutory mechanisms such as Town Planning Schemes to improve land use management.</p> <p>The following local governments are currently undertaking TPS reviews: Armadale, Bassendean, Belmont, Claremont, East Fremantle, Fremantle, Gosnells, Melville, Nedlands, Peppermint Grove, Perth, South Perth, Subiaco, Swan, and Vincent.</p> <p>Model town planning scheme clauses have not been progressed.</p>
<p>31. Design and assess proposed residential developments in riverside locations with due regard for the foreshore. Aspects to be considered include siting of buildings, scale and the shape and form of the development (height, bulk, colour and choice of materials, landscaping, earthworks, etc.) (LGA, MFP, SRT).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>Also see 30.</p>	<p>Ongoing implementation. Development applications referred to SRT pursuant to SRT ACT 1988 and Metropolitan Region Scheme Act.</p> <p>Assessment of statutory applications considers items listed at Rec 31.</p> <p>City of Subiaco, City of Canning have Residential Design Guidelines which are pertinent.</p>

LAND USE AND RIVER PLANNING



URBAN DEVELOPMENT

1988 Recommendations	1994 Status	Current Status
		<p>Town of Vincent: Split zoning R20/40. R40 allowed only if sting dwelling is retained.</p> <p>City of Melville: TPS down codes almost entire foreshore from R 25, R 20, R 17.5 to R 12.5 and R 17.5.</p>
<p>32. Consult regularly with the SRT during the preparation/review of town planning schemes over matters concerning the development and use of land in the river environment (LGA).</p>	<p>Ongoing - The Trust regularly comments on TPS's referred to it by local government and MFP.</p>	<p>Ongoing - The Trust regularly comments on Town Planning Scheme's referred to it by local government and MFP.</p> <p><i>Comment: SRT needs to be more pro-active and involved in the review process and should ensure that comments are provided early in the preparation of review of LGA Town Planning Schemes.</i></p>
<p>33. All proposals for canal estates to comply with the "Recommendations for the Development of Canal Estates" endorsed by Cabinet (SRT, LGA, DOT, MFP).</p>	<p>Ongoing implementation - There have been no canal estate proposals since the Trust was established. Applications would be processed in accordance with the SRT Act.</p> <p>The MFP have a Statement of Planning Policy dealing with this.</p>	<p>Ongoing: East Perth Redevelopment undertaken pursuant to East Perth Redevelopment Act.</p> <p>SRT has been requested to include Claisebrook into SRT Management Area. This is contrary to recommendations made by Cabinet.</p> <p>MFP is currently reviewing Canal Estate Policy D.C.1.8. This is not a Statement of Planning Policy.</p> <p>Ascot Waters Belmont subdivision has also been progressed since the last review.</p> <p>Midland Charrette proposed residential and canal development for the Woodbridge Landing area at Midland. A Midland Development Authority to be set up to oversee the redevelopment of this area.</p>

LAND USE AND RIVER PLANNING



COMMERCIAL DEVELOPMENT

1988 Recommendations	1994 Status	Current Status
<p>34. Commercial developments should only occur in suitable locations which are chosen after careful consideration of social, environmental and physical planning criteria, including: (MFP, LGA, SRT).</p> <ul style="list-style-type: none"> - Availability of the essential services required by the development including water, sewerage, electricity and telephone. - Likelihood of the development having an adverse impact on neighbouring residential areas because of noise, traffic and parking. - Intent of the LGA town planning scheme as it relates to adjacent areas. - Impact of the development on the amenity of the existing landscape and natural environment. - Effect the development may have on the hydrology of the floodway and flood plain, and risk of flooding to the development. - Every proposal for commercial development should be considered on its individual merits. It should also be considered in context to take into account cumulative impacts. - Impact of the development on public access to the foreshore. 	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>Areas suitable for commercial development are often identified in management plans.</p>	<p>Ongoing Implementation: Commercial development applications referred to SRT pursuant to SRT ACT 1988 and Metropolitan Region Scheme Act.</p> <p>Assessment of statutory applications considers items listed at Rec 34.</p> <p>Local Government Town Planning Schemes provide for development control mechanisms.</p> <p>City of Canning referred Guided Development Scheme No 39 for the Canning Regional Centre to the SRT for comment.</p> <p>City of Melville: Redevelopment of Raffles Hotel site is currently the subject of an appeal.</p> <p>Shire of Peppermint Grove: Kiosk leased to proprietor. Council opposed to any further commercial development.</p> <p>Town of Vincent: Commercial development site at Summers Street considers issues at Rec 34.</p> <p>City of Fremantle: Hotel proposed at North Bank. Ferry terminal has been upgraded. Pier 21 to become residential.</p> <p>City of Bayswater: limited scope for commercial development</p> <p>City of Gosnells: Commercial development along foreshore adjacent to library and community centre to be redeveloped to orientate toward the river.</p> <p>Town of Claremont: No commercial development proposed.</p>

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COMMERCIAL DEVELOPMENT

1988 Recommendations	1994 Status	Current Status
		<p>Town of East Fremantle: Left Bank and Red Herring have undertaken works to upgrade facilities.</p> <p>City of South Perth: Foreshore management plans address commercial development but are primarily focussed on conservation issues.</p> <p>City of Armadale: Commercial Strategy being reviewed.</p>
<p>35. Finalise an approval process based on the Legislative and Administrative Review which enables the meaningful participation of all interested parties.</p>	<p>Implemented with the promulgation of the SRT Act.</p>	<p>Implemented</p> <p>Ongoing statutory referral of development applications to all concerned parties prior to assessment of proposals pursuant to Part 5 SRT Act 1988.</p>
<p>36. Refer proposals which involve over-water structures, development dredging, filling of the river or those which abut or include System 6 Recommendations, to the DEP for environmental impact assessment (SRT, MFP, LGA, DOT).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>The Trust refers its weekly development application filter sheets to DEP. DEP may then request referral to it of any proposal it may wish to comment on.</p>	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>Development applications referred to DEP regularly for comment as part of statutory referral process.</p> <p>Swan Canning EPP Cl 24 refers to protection of policy area from dredging.</p>

LAND USE AND RIVER PLANNING



WATER SUPPLY AND DRAINAGE

1988 Recommendations	1994 Status	Current Status
<p>37. Develop a coordinated policy on stormwater disposal within the Swan River Trust Management Area and encourage local government to reduce stormwater outlets in accordance with this policy (SRT, WC, LGA, MFP).</p>	<p>Implemented - Trust has developed policy.</p> <p>The Water Resources Council has recently released guidelines for "Water Sensitive Urban Design" which address the issue of stormwater management. The Trust had endorsed these guidelines.</p> <p>It is recommended that the Trust approach MFP to ensure these guidelines are implemented.</p>	<p>Ongoing implementation. SRT provided funding for “Urban Stormwater Quality Management Manual for Western Australia” which is about to be released by WRC. This provides a “How to guide” for implementing Water Sensitive Urban Design Principles and outlines BMP’s.</p> <p>Other studies have been undertaken to address issue of stormwater disposal. “Middle Canning Catchment Study” and the subsequent “Urban Water Management Project” prepared for Heritage Country Development Agency recommends and promotes the use of multiple use corridors and one overriding government authority to take responsibility for waterways and their surrounding environments.</p> <p>Water Sensitive Urban Design principles being advanced in Livable Neighbourhoods Community Design Codes by MFP.</p> <p>Water Corporation undertaking research studies to assess feasibility of providing trapping devices to stormwater outlets.</p> <p>Swan Canning EPP Cl 10 (h) requires development of BMP’s for drainage into the river.</p> <p>Swan Canning Clean Up Program Draft Action Plan recommends incorporation and enforcement of Water Sensitive Urban Design principles to reduce pollution to the river.</p>

LAND USE AND RIVER PLANNING



WATER SUPPLY AND DRAINAGE

1988 Recommendations	1994 Status	Current Status
		<p>City of Canning: rationalised drainage outlets as part of Canning Regional Centre development, and prepared two reports “From Drains to Living Streams” and “Urban Integrated Catchment Management” SRT was represented on the steering committee for both publications.</p> <p>City of South Perth: Western Foreshore Management Plan recommends incorporating oil and grease traps and monitoring water quality in stormwater drains.</p> <p>City of South Perth: Audit of drains completed. Council requests removal of superfluous drains as part of development application approvals.</p> <p>City of Stirling: Engineer represented on Wetlands Advisory Committee.</p> <p>Town of Claremont: No audit done. Water Corporation installing a pipeline to discharge directly into the river.</p> <p>City of Nedlands: Strategies for drainage infrastructure to filter water by sediment traps, pit structures etc being developed as part of forward works budget. Concern that this will cause mosquito problems, which need to be addressed.</p> <p>Town of Mosman Park: All outlets are trapped.</p> <p>Shire of Peppermint Grove: Alternative disposal options being considered.</p> <p>Shire of Swan: Stormwater disposal study being undertaken in South Guildford. Council to audit industrial area drains.</p>

LAND USE AND RIVER PLANNING



WATER SUPPLY AND DRAINAGE

1988 Recommendations	1994 Status	Current Status
		<p>City of Perth: Draft Environment Management Plan completed which recommends litter traps and water quality monitoring. Looking to SRT for guidance.</p> <p>City of Bayswater: BICM and Council applied for NHT funding for a gross pollutant trap for Watton Street drain.</p> <p>City of Melville has accepted ICM approach and controls water flow into lakes and rivers.</p>
<p>38. Proposals to upgrade or construct dams, weirs or other obstructions partially or totally obstructing a water course should be referred to the DEP (DEP, WC).</p>	<p>Ongoing implementation in accordance with the SRT Act. WC are required under their Act to refer these to DEP.</p>	<p>Ongoing as in 1994.</p> <p>Swan Canning EPP Cl 14 - Maintenance of ecological process.</p>

LAND USE AND RIVER PLANNING



FLOOD PLAIN

1988 Recommendations	1994 Status	Current Status
<p>39. Prepare guidelines to assist agencies involved in the management (development and maintenance) of floodprone land (WC, MFP, SRT).</p>	<p>Ongoing - The SRT has developed a flood plain policy.</p> <p>An issues lists addressing aspects of flood plain management to be prepared by the Trust (SRT).</p>	<p>Ongoing. An “issues” list has not been prepared.</p> <p>SRT policy has been developed and is currently under review.</p> <p>Proposals for land within floodprone land automatically referred to WRC for comment. WRC responsible for providing advice to help minimise flood risk and damage.</p>
<p>40. Undertake studies to prepare and update floodprone land maps. These should include all designated flood levels required for the proposed guidelines (WC, MFP, LGA, SRT).</p>	<p>Ongoing - Trust obtains upgraded maps as they become available. WC develops maps on a needs basis when resources allow.</p>	<p>Ongoing. Floodprone land maps reviewed only after major flooding. Water and Rivers Commission responsible for mapping flood levels.</p> <p>Shire of Swan developing a GIS data base for flood plain and flood prone areas.</p>
<p>41. Prepare flood plain management plans for the river system. These should consider factors such as flood behaviour, including risk and effects of future developments, conservation of the natural environment, social factors and planning issues (WC, MFP, DEP, SRT).</p>	<p>Seeking advice from WC.</p> <p>This recommendation has increasing importance as urban areas expand upstream.</p>	<p>Implemented. Management of development within the floodplain controlled by SRT Act.</p> <p>All developments approvals are considered in light of these considerations and advice sought from WRC.</p> <p>Considered as part of Environmental impact assessment process by DEP.</p>
<p>42. Investigate the need for legislative changes, in conjunction with the consolidation of Water Authority Acts and amendments to other planning Acts, to ensure that suitable coordination exists between planning authorities and the Water Authority for sound flood plain management (WC).</p>	<p>A review of legislation pertaining to waterways is being progressed by a State and Local Government Senior Officers Planning Group.</p>	<p>Ongoing. Ministerial Taskforce appointed in Nov 1997 to review the current state of floodplain management and proposes a model for reform of administration and management of floodplain management activities.</p> <p>Report currently with the Minister for consideration.</p>

LAND USE AND RIVER PLANNING



FLOOD PLAIN

1988 Recommendations	1994 Status	Current Status
43. Review flood warning systems and flood response capabilities in flood prone areas (WC, LGA, SES), and complete the Canning Dam failure analysis (WC).	Seeking advice from WC.	Ongoing. Flood forecasting networks have been established for the Swan/Avon using real time information, from rainfall and river level stations, for better response capabilities.



ROAD NETWORK

1988 Recommendations	1994 Status	Current Status
<p>44. Noting the importance of the river resource the proposed road network review should be carried out paying particular attention to: (MFP, DEP, SRT, MRWA)</p> <ul style="list-style-type: none"> - General impact of current road reserves or proposed roads on the river environment. - Demand for further roads necessitated by development of new residential areas created by the Corridor and MRS Review. - Possibility of relocating Riverside Drive adjacent to Terrace Road and need for extending Riverside Drive connecting the Causeway to Burswood Bridge. 	<p>Most of the road reserves considered inappropriate have been amended to Parks and Recreation Reservation.</p> <p>The issue of Riverside Drive is being considered as part of the Perth Foreshore Study.</p>	<p>Ongoing. Central Perth Access Plan developed which in part may reduce traffic along Riverside Drive by 50% by the construction of the Graham Farmer Freeway through North Perth to the Causeway.</p> <p>A dedicated bus lane to be included as part of upgrading of the Causeway.</p> <p>The need to extend Riverside Drive no longer being considered. Graham Farmer Freeway will connect with the new Burswood Bridge by Plain Street.</p> <p><i>MFP currently undertaking studies to rationalise road reservations no longer required.</i></p> <p>DEP addresses these issues as part of Environmental Impact Assessment.</p>

LAND USE AND RIVER PLANNING



WATER TRANSPORT

1988 Recommendations	1994 Status	Current Status
<p>45. Provide adequate public facilities such as toilets and parking at major ferry terminals (DOT, LGA).</p>	<p>Ongoing in accordance with the SRT Act eg Old Perth Port proposal.</p>	<p>Ongoing. New toilet facilities have been incorporated within the Old Perth Port redevelopment and upgraded toilet facilities to be provided as part of kiosk and new public facilities building at Mend Street jetty.</p> <p>City of Melville proposing to upgrade Raffles and Bicton jetties.</p> <p>City of Fremantle: No toilet facilities at East Street jetty complex.</p> <p>Shire of Swan: Ferry terminal proposed as part of Midland Charrette.</p>
<p>46. Undertake a feasibility study of extending commuter ferry services on Melville Water, including assessment of foreshore service facilities (Transperth, FCC).</p>	<p>Implemented - A Ferry Study was conducted by DOT. The Ferry Study concluded that river crossings, as opposed to along shore, were feasible however trials would have to be undertaken. Trials are currently being undertaken by a private operator.</p>	<p>Being implemented. Two ferry studies were undertaken by DOT which gave conflicting results. An operator did undertake a ferry service between Applecross and the University of WA and Pt. Walter and Claremont which was unsuccessful.</p> <p>MFP released a discussion paper in 1997 <i>“Improving the viability of additional passenger ferry services on the Swan and Canning rivers by integrating transport and land use planning”</i> which has resulted in the formation of the Minister for Transport’s Commercial Passenger Vessels Advisory Committee (CPVAC). This committee is to overlook the employment of consultants to look at the viability of the ferry services and to prepare a strategy. Tenders were advertised nationally in June.</p>

LAND USE AND RIVER PLANNING



WATER TRANSPORT

1988 Recommendations	1994 Status	Current Status
<p>47. Examine ferry operations in the river to determine the most efficient mooring and operating procedures, and the need for ocean going ferries to use Barrack Street Jetty (DOT, WATC).</p>	<p>Implemented (see 46).</p>	<p>Implemented. Minister for Transport's Commercial Passenger Vessels Advisory Committee (CPVAC), formed to review all aspects of the commercial passenger operations.</p> <p>Symonds Travers Morgan completed a Review of the Ferry Industry - Management Policy in WA in November 1996.</p> <p>Ocean going ferries continue to operate from Barrack Street jetty.</p> <p>Ministry for Planning prepared a discussion paper - Improving the Viability of Additional Passenger Ferry Services on the Swan and Canning Rivers by integrating Transport and Land Use Planning.(Sept 1997).</p> <p>Department of Transport <i>Additional Ferry Services Working Group</i> set up to examine the potential for additional ferry services.(Aug 1997). Feasibility study currently being prepared and due for completion mid 1999.</p>
<p>48. Investigate the need to control the function and operating areas of commercial craft (DOT, SRT).</p>	<p>Ongoing in accordance with the SRT Act and Navigable Waters Regulations.</p> <p>The Trust has made recommendations on this to the SRT Act Review Committee.</p>	<p>Ongoing in accordance with the SRT Act and Navigable Waters Regulations.</p> <p>Symonds Travers Morgan completed a Review of the Ferry Industry - Management Policy in WA in November 1996.</p>



CONSERVATION AREAS

1988 Recommendations	1994 Status	Current Status
<p>49. Evaluate fringing wetlands for vesting as reserves for the conservation of flora and fauna or protection of the environment. Special emphasis should be given to the following: (CALM, MFP, SRT and appropriate LGA)</p> <ul style="list-style-type: none"> - Bennett Brook swamp, System 6 Recommendation M41. - Swan River Backwater, South Guildford, System 6 Recommendation M44. - Swan River Foreshore, Maylands, within System 6 Recommendation M50. - Canning River Foreshore, Clontarf (adjacent to Waterford development), within System 6 Recommendation M67. - Bull Creek, System 6 Recommendation M74. - Ashfield Flats Wetlands. - Foreshore rush marsh and associated mud flats between Shelley Bridge and Riverton Bridge. 	<p>Initiated - A study of the Canning, Southern and Wungong Rivers has been completed by the Trust. This identified the quality of fringing vegetation.</p> <p>Appropriate vesting bodies are usually identified in management plans. Management are being prepared for M44, M50, M74. A review of the plan for M67 was recently completed.</p> <p>Assess and prioritise individual areas and establish a special category for reservation (SRT, CALM, DOLA).</p>	<p>Ongoing.</p> <p>Bennett Brook Catchment Group formed. South of Benara Road P & R set aside, land between Reid Hwy and Benara Road to be acquired as part of subdivision process. MFP currently negotiating with the Health Dept for acquisition of the foreshore at the Pyrtton site.</p> <p>M44 Swan Backwater: land already reserved. Brief for preparation of management plan prepared.</p> <p>M50 Maylands Foreshore: land reserved. Berringa Park Management Plan 1989 completed. Rehabilitation works are continuing in accordance with this plan.</p> <p>Clontarf Foreshore Reserve Management Plan completed 1993. Waterford Foreshore Reserve Management Plan completed 1994.</p> <p>M74 Bullcreek: Yagan Wetlands Reserve Management Plan completed.</p> <p>Ashfield Flats Design and Management Plan completed 1988. Land reserved and owned by MFP.</p> <p>Mud flats between Shelley Bridge and Riverton Bridge included in Canning River Regional Park Management Plan 1997-2007 completed.</p>

CONSERVATION AND ENVIRONMENTAL PROTECTION



CONSERVATION AREAS

1988 Recommendations	1994 Status	Current Status
<p>The evaluation should include detailed assessment of the flora and fauna, permitted uses, definition of boundaries and adjacent land uses, definition of boundaries and adjacent land uses.</p>		<p>WAPC has reserved and purchased the foreshore at St Anne's. A management plan will be developed as next stage. A comprehensive monitoring programme exists for the Maylands Golfcourse and Bardon Park is vested in the City of Stirling. City of Stirling Green Plan-Urban Bushland Conservation Strategy applies to this area.</p> <p>Centenary Park to be vested with City of Canning and developed in accordance with the Centenary Park Management Plan.</p> <p>City of Fremantle plan to undertake a wetland project at North Fremantle, near APACE. Design and background work completed.</p> <p>Swan Canning EPP Cl. 13 provides for protection of fringing vegetation. Reference made to RAMSAA, JAMBA, and CAMBA wetlands.</p>
<p>50. Change the vesting of the river bed beneath System 6 Recommendations M60, M61 and M62 from the Minister for Lands. Declare the waters and river bed of these areas as Conservation Reserves and vest in the National Parks and Nature Conservation Authority, accurately defining and marking their boundaries (CALM).</p>	<p>Implemented - Swan River Estuary Marine Park established.</p>	<p>Implemented as in 1994.</p> <p>Gazettal of the Swan Estuary Marine Park has occurred and includes the sea-bed. Area vested in Marine Parks and Reserves Authority. There is no delineation of the area by markers in the water. <i>Comment: This deserves consideration.</i></p> <p>Swan Estuary Marine Park and Adjacent Nature Reserves Management Plan to be finalised in 1999. Draft completed in 1998.</p>

CONSERVATION AND ENVIRONMENTAL PROTECTION



CONSERVATION AREAS

1988 Recommendations	1994 Status	Current Status
<p>51. Amend the Land Act, 1933, to allow for the reservation of flora and fauna and protection of the environment and identify the appropriate management agencies for vesting. Special emphasis should be given to the following: (DOLA, SRT, CALM).</p> <ul style="list-style-type: none"> - The area of shallow banks bounded upstream by the Narrows Bridge (Swan River) and the Kent Street Weir (Canning River) and downstream by a line drawn from Chidley Point to Point Walter. - The shallow banks 250 metres either side of Point Roe. - The shallow banks between the Fremantle Traffic Bridge and the upstream boundary of Gilbert Fraser Reserve, North Fremantle. 	<p>Initiated - Legislation to amend the Land Act is in draft form.</p> <p>The intention is that if the Land Act can be amended to allow reservation of land below low water mark (LWM), areas not included as Marine Parks can be reserved under the Lands Act. eg important seagrass beds.</p>	<p>Implemented: The Land Act has been revoked and replaced with the Land Administration Act. The definition of Crown land changed to extend to below HWM and includes tidal waters and banks.</p>
<p>52. Prepare and release for public comment management plans for all areas reserved for the purpose of the environment giving particular consideration to the following aspects where appropriate: (CALM, LGA, DOLA, SRT)</p>	<p>Ongoing in accordance with the SRT Act and management plans initiated or assessed by the Trust.</p> <p>The Draft Lower Canning River Management Plan recommends that recreational prawners be surveyed as part of an education program to ensure prawning activities have minimal impact on the river environment.</p>	<p>Ongoing and included in the preparation of foreshore management plans. Refer to list of management plans at Appendix 1 and at Rec 28.</p>

CONSERVATION AND ENVIRONMENTAL PROTECTION



CONSERVATION AREAS

1988 Recommendations	1994 Status	Current Status
<ul style="list-style-type: none"> - Commercial fishing. - Amateur prawning. - Boating activities. - Other recreational activities adjacent to and in various parts of the reserve. 	<p>Commercial fishing is being addressed as an issue in the management plan being prepared for the Swan River Estuary Marine Park.</p>	
<p>53. Develop management agreements with private land owners for the protection of wetlands and fringing vegetation on private property (CALM, SRT).</p>	<p>Ongoing - SRT have entered agreements with Guildford Grammar and Aquinas College.</p>	<p>Ongoing and being considered as part of WRC Statewide Foreshore Policy.</p>
<p>54. Develop procedures and guidelines for combating fires in wetlands (CALM, WAFBB, BFB).</p>	<p>Seeking advice from CALM.</p>	<p>Implemented. Procedures and guidelines included in Swan Estuary Marine Park Management Plan.</p>
<p>55. Assign a high priority to the preparation of management plans for the protection of geological sites including those at Point Waylen, Minim Cove, Peppermint Grove and The Coombe, Mosman Park. Plans should be prepared as part of System 6 Recommendations in consultation with the Western Australian Museum (DEP).</p>	<p>Initiated - Leighton Peninsula Region Park Study.</p> <p>A resource study for Point Roe to Rocky Bay has been completed by the Trust. This study addresses the importance of geological sites in the area.</p> <p>DEP officers are investigating the fossil beds in Freshwater Bay. This will be included in the Freshwater Bay Management Plan being prepared by the Trust.</p>	<p>Ongoing implementation. Freshwater Bay Management Plan finalised and soon to be released.</p> <p>There are provisions for the protection of geological sites in the Geological Surveys Act.</p> <p>Swan Canning EPP Cl 6 (c) provides for protection of cliffs, escarpments etc.</p> <p>Investigate the importance of the fossil beds at Redcliffe (WAM) 81 Fauntleroy Ave, not undertaken.</p>

CONSERVATION AND ENVIRONMENTAL PROTECTION



CONSERVATION AREAS

1988 Recommendations	1994 Status	Current Status
	<p>Investigate the importance of the fossil beds at Redcliffe (WAM).</p>	<p>The fossil beds consist of mollusc shells that are between 125,000-130,000 years old and are under threat from bank erosion at the site. They are the only remaining fossils upstream of their type and age and have been reported in scientific journals.</p>
<p>56. Assign a high priority to the maintenance and restoration of native vegetation and natural landforms when considering proposals for development or activities on river foreshores (MFP, SRT, LGA, DEP).</p>	<p>Ongoing in accordance with the SRT Act and subject to Trust policy.</p>	<p>Ongoing in accordance with the SRT statutory approval process and when management plans are developed.</p> <p>Swan Canning EPP Cl 12 addresses clearing of vegetation, Cl 6 (c) Protection of natural land forms, Cl 6.2 (e) protection of natural landscape.</p> <p>SCCP Draft Action Plan encourages revegetation and protection of native vegetation to improve water quality, and recommends improvements to existing clearing controls. A Memorandum of Understanding exists for the Protection of Remnant Vegetation on private land in the Agricultural region of WA (1997).</p> <p>City of Stirling: addressed in “Green Plan”.</p> <p>Town of Mosman Park: Addressed in Vlamingh Parkland study.</p> <p>City of Armadale: Landscape Master Plan required as part of rezoning applications.</p> <p>East Fremantle Landscape Plan prepared for the foreshore.</p> <p>City of Fremantle: Harvest Road P & R being rehabilitated as part of a community planting programme.</p>

CONSERVATION AND ENVIRONMENTAL PROTECTION



CONSERVATION AREAS

1988 Recommendations	1994 Status	Current Status
		<p>Shire of Swan: Community tree planting at Viveash undertaken with NHT funding.</p> <p>City of Bayswater: Baigup Management Plan and BICM assign a high priority to protection and replanting of native vegetation.</p> <p>City of Gosnells: SRT Report No 7 <i>Fringing Vegetation of the Canning, Southern, and Wungong Rivers</i> (1993) and Draft Upper Canning Southern Wungong Management Plan lists clearing and loss of bio-diversity as one of the most serious issues facing the catchment.</p> <p>Shire of Kalamunda: Have identified significant areas of native vegetation and are implementing measures to protect them.</p>



EROSION CONTROL

1988 Recommendations	1994 Status	Current Status
<p>57. Identify and monitor areas of the river at risk from erosion and implement a long term erosion control programme. Control measures should include: (SRT, LGA, DOT).</p> <ul style="list-style-type: none"> - Foreshore stabilisation with native vegetation. - Tree planting adjacent to the river. - Encouragement to provide river access at nodes and discouragement of access to erosion prone areas. - Adoption and implementation of local government by-laws to prevent livestock from damaging the river banks and vegetation. - Beach renourishment, walling, groynes, flow redirection, use of baffle boards to dissipate wave action. - Modification to recreational activities in very serious erosion areas. 	<p>Ongoing implementation-Variou studies are complete, including the Foreshore Erosion Study undertaken by DOT on behalf of the Trust. Erosion control works have been completed at many sites.</p> <p>The Trust undertakes trials on different types of erosion control methods.</p> <p>Develop guidelines on erosion protection as a way of guiding agencies undertaking such works (SRT). These guidelines should address Trust policy which states that hard walling of river banks should be used as a last resort.</p>	<p>Ongoing: SRT to undertake in 1998 an inventory and assessment of all foreshore areas at risk of erosion or in need of works to develop a management programme.</p> <p>SRT implements foreshore erosion control on as needs basis at present.</p> <p>Foreshore erosion control works have been completed at the following locations: Mounts Bay Road, and Heirisson Island Perth; Shelley foreshore, Canning; Riverside Road, East Fremantle; Kings Meadow river walling, and St Charles Seminary foreshore, Guildford; Lilac Hill and Success Hill foreshore require attention. No programme implemented.</p> <p>Town of Mosman Park: Undertakes annual surveys of erosion sites and implements controls as necessary.</p> <p>City of Gosnells: Has no foreshore erosion control programme. Areas at risk identified in Brian Lloyd Reports on degradation in the Upper Canning (1997) and Southern River/Wungong Catchments (1998).</p> <p>City of Melville: Funding in 1998/9 budget to develop a Foreshore Restoration Strategy.</p> <p>Shire of Mundaring: Prepared an Erosion and Sedimentation Control Code and draft Creekline Policy.</p> <p>City of Stirling: Have made two unsuccessful attempts for NHT funding for retaining walls at Bathgate Reserve.</p>

CONSERVATION AND ENVIRONMENTAL PROTECTION



EROSION CONTROL

1988 Recommendations	1994 Status	Current Status
<p>58. Provide information to private land owners to encourage appropriate methods of erosion control (SRT, LGA).</p>	<p>Ongoing implementation by the Trust through the preparation of pamphlets and determination of statutory applications.</p> <p>The Trust prepare a public information pamphlet updating this advice (SRT).</p>	<p>Ongoing. SRT provides information when requested and as part of statutory approval process.</p> <p>SRT provides support to catchment groups. Upper Canning Southern Wungong Catchment Team, undertaken foreshore erosion works as part of their demonstration sites.</p>
<p>59. Encourage local government authorities and community groups to undertake revegetation programmes under SRT guidance (SRT).</p>	<p>Ongoing - Revegetation programmes have commenced in many LGA's.</p>	<p>Ongoing. SRT initiated formation of catchment management groups, and provides advice to other community groups.</p> <p>Swan Canning Clean Up Program provides funding to strengthen Integrated Catchment Management in the Swan Canning catchment and to support ICM groups.</p> <p>The following community revegetation works have been commenced: Harvest Road, North Fremantle; Viveash, Swan; Canning foreshore CREPPA; Redmond Stairs, Salter Point; and along Helena and Swan Rivers with the Swan Mundaring Catchment Project, Upper Canning Southern Wungong Catchment Team undertaking works at Roley Pool, Lake Road, Armadale and sections of the Southern and Canning River, Bannister Creek Catchment Group, Bannister Creek.</p>
<p>60. Develop techniques for propagating rushes for use in bank stabilisation programmes (SRT, CALM).</p>	<p>Initiated – Trials have been under-taken by the Trust and a report will be prepared when enough data has been collected.</p>	<p>No action. Not continuing. Commercial propagation has overtaken the need for SRT to undertake production.</p>

CONSERVATION AND ENVIRONMENTAL PROTECTION



DREDGING

1988 Recommendations	1994 Status	Current Status
<p>61. Implement the dredging guidelines prepared by the DEP for the river as an Environmental Protection Policy under the Environmental Protection Act, 1986 (DEP).</p>	<p>Implemented. SRT have a policy on this matter which is operating effectively. All applications for dredging are assessed by DEP. No EPP on dredging is necessary at this stage.</p>	<p>Implemented. <i>Guidelines for the Preparation of a Dredging and Dredge Spoil Disposal Management Plan - A Guide for Proponents</i> completed 1995. SRT Policy DE 1 deals with dredging. Swan Canning EPP C1 24 deals with dredging and C1 7 outlines activities that degrade waterways.</p>



WATER QUALITY

1988 Recommendations	1994 Status	Current Status
<p>62. Determine more accurately nutrient loading to the river with the view to developing a management plan to reduce these inputs if necessary (SRT, WC, MFP, AGWA, DEP).</p>	<p>Ongoing - More accurate nutrient loads have been determined. Sub-catchments contributing significant nutrient loads have been identified and detailed studies of Ellen Brook, Jane Brook, Southern River and Bayswater Main Drain have been initiated by the Trust.</p>	<p>Ongoing. Nutrient monitoring continuing.</p> <p>Due to technical and operational difficulties, recommended standards are now based on quantifying nutrient concentrations rather than load estimates as previously used.</p> <p>SCCP Four Point Action Plan program recommends supporting ICM and improving planning and land use management to reduce nutrients. Water Sensitive Urban Design Principles form part of the strategy to improve water quality.</p> <p>WRC trialing a load estimation method on Ellen Brook. In 1998 the system has been put on the Avon River at Great Northern Highway. A similar system will be going in the Mill Street drain. Plans to put the system on Jane Brook, Southern River, and at Bayswater have been shelved due to funding.</p> <p>Significant improvements to effluent disposal at two piggeries in Ellen Brook (<i>In the Pink</i> and <i>Gladinia</i>). Pearce Airbase and Bullsbrook waste water treatment plants upgraded resulting in a 20-30 % reduction in phosphorous.</p> <p>Ellen Brook Management Plan being developed.</p> <p>AgWA have carried out trials and extension activities to improve fertiliser use. Also undertaking nutrient monitoring of horticultural activities.</p>

CONSERVATION AND ENVIRONMENTAL PROTECTION



WATER QUALITY

1988 Recommendations	1994 Status	Current Status
		<p>The Government released a revised Sewerage Policy and In-fill Sewerage Program, as strategies to improve water quality in the Swan and Canning rivers.</p> <p>Swan Canning EPP Cl 8.3 includes provision to develop regulations to prescribe water quality targets.</p> <p>Standard development condition requires connection to deep sewer where available as part of WAPC and SRT statutory approval process.</p>
<p>63. Prepare guidelines for the phasing out of industrial discharges to the Swan River. These guidelines should include: (DEP, MFP, ILDA, WC, SRT).</p> <ul style="list-style-type: none"> - No new or relocated industries to be sited where they must discharge to the river. - Measures to encourage voluntary relocation of existing industries. - Measures to encourage implementation of new technology to reduce or eliminate discharges. 	<p>Ongoing implementation - Since 1988 the number of licensed discharges has been reduced from 24 to 15. The Trust has circulated guidelines to industry and continued to lobby for the extension and infill of lots to be connected to deep sewerage.</p>	<p>Ongoing implementation. SRT emphasis has been to ensure that premises that discharge into the river comply with water quality standards as set out by the Aquatic and Research Council.</p> <p>All “prescribed premises” pursuant to the EPA Act 1986 are managed by DEP with advice from WRC and SRT. SRT has delegated responsibility to set licence conditions and audit activities and discharges that impact on the Swan estuary.</p> <p>The number of direct and indirect premises discharging to the river has fallen from 15 in 1994 to 7 in 1998. There are four premises (Wellard Export Rural - Hazelmere, Midland Brick - Hazelmere, Prestige Brick - Hazelmere, Swan Brewery - Canning Vale) that are licensed to discharge to the river pursuant to the EPA Act, and another three premises are registered (Bandyup Waste-water Treatment Plant, HP Brady - Bayswater, Westrail - Forrestdale).</p>

CONSERVATION AND ENVIRONMENTAL PROTECTION



WATER QUALITY

1988 Recommendations	1994 Status	Current Status
		<p>Many of these premises have made improvements to the quality of water entering the river. Settling ponds have been constructed at Midland Brick, Wellard Rural Export has provided on site containment, and the Swan Brewery has completed a waste-water treatment review and adopted a strategy to minimise off-site export.</p>
<p>64. Establish beneficial uses and water quality objectives for the river. These should address the prevention of nuisance growths of algae and contamination from urban and industrial discharges (SRT, HD, DEP).</p>	<p>Monitoring data have been assembled. No work has commenced on beneficial uses and water quality objectives. The Trust is currently working with DEP on an Environmental Protection Policy for the Swan and Canning Rivers system. This policy will address some of these issues.</p> <p>Funds from the recently approved "Swan River Clean Up" will be directed to this.</p>	<p>Ongoing. Swan Canning EPP requires the development of a Comprehensive Management Plan for the purposes of achieving and maintaining environmental quality objectives. CI 16 deals with waste water discharges to the river.</p> <p>SCCP has been developed as a direct response to nuisance growths. The draft Action Plan recommends a Four Point Action Plan with associated funding, to implement strategies to improve the quality of water in the Swan and Canning rivers.</p> <p>Health Department continually monitor water quality for bacterial content as a public health issue, and issue public health warnings as necessary.</p>
<p>65. Undertake an investigation of heavy metal discharges into the river including air conditioner bleed-off (SRT).</p>	<p>Implemented - Air-conditioning Study completed by the Trust and an action plan being prepared.</p>	<p>Implemented. Consultant employed to expand the review and develop a draft policy, which will be circulated for public comment. Strategy to be finalised in 1998/99.</p>
<p>66. Continue to prevent the deposition of any substance at land fill sites (including putrescible material and chemical containers) that may pollute the river environment (HD, SRT).</p>	<p>Ongoing - No land fill sites operating adjacent to the river. Some monitoring of old land fill sites is conducted by LGA's.</p>	<p>Ongoing. Ascot Waters Management Plan implemented as part of the approval for the redevelopment of the old Belmont land fill site (Ascot Waters). Ongoing water and nutrient monitoring on a quarterly basis. The site was the subject of a Public Environmental Review in 1995.</p>

CONSERVATION AND ENVIRONMENTAL PROTECTION



WATER QUALITY

1988 Recommendations	1994 Status	Current Status
	<p>Leachate management plans are prepared by proponents for redevelopment of old land fill sites.</p>	<p>City of Bayswater: Implemented monitoring program for the old land fill site at Riverside Gardens as a condition for development approval.</p> <p>City of Stirling: Reports annually on the Maylands tip site as part of the NIMP required as part of development approval for the golf course.</p> <p>Shire of Swan: Undertakes ongoing surface water, ground-water, sediment and land-fill gas monitoring at the decommissioned land-fill site at West Midland.</p>



MOSQUITOES

1988 Recommendations	1994 Status	Current Status
<p>67. Prepare regional mosquito control programmes in consultation with SRT, CALM and DEP to improve the effectiveness of control measures while reducing the environmental impact of the operation (LGA, HD).</p>	<p>Draft report has been prepared for East Metropolitan Mosquito Monitoring Group.</p>	<p>Ongoing. East Metropolitan Continuous Local Area Government (CLAG) has developed an interim strategy for mosquito control. Funding provided on a 50/50 basis between Health Department and LGA's.</p> <p>Other LGA's have their own programmes for mosquito control. City of Canning most active local government. Programmes favour non chemical control and shares information with other local governments as requested.</p> <p>City of Stirling: Have a comprehensive program in place for Aerodrome Reserve, where four wheel drive runnels are a problem.</p> <p>City of Bayswater: Have a mosquito management plan in place and undertakes trapping to identify areas of concern. Baigup Wetlands are a problem area as the culverts for the footpath have been blocked.</p> <p>City of Subiaco: Have a mosquito programme in place for Pelican Point.</p> <p>Town of Bassendean: Mosquito control programme in place.</p>
<p>68. Monitor mosquito breeding and adult mosquito nuisance to measure the success of control programmes. Details of monitoring programmes and their success should be made available to other local authorities as a means of improving knowledge on mosquito control (LGA).</p>	<p>Initiated - Being undertaken by Local Government and Mosquito Control Advisory Committee.</p>	<p>Ongoing. See comments above.</p>

CONSERVATION AND ENVIRONMENTAL PROTECTION



ABORIGINAL SITES

1988 Recommendations	1994 Status	Current Status
<p>69. Encourage management bodies and developers to consult with the Department of Aboriginal Sites, WAM, concerning development plans at an early stage to ensure that Aboriginal sites are not inadvertently disturbed (MFP, SRT, LGA).</p>	<p>Implemented - An administrative arrangement exists between WAM and the Trust for referral of proposals which may be of significance to the Aboriginal community.</p>	<p>Implemented. Aboriginal sacred sites are protected pursuant to the Aboriginal Heritage Act 1972.</p> <p>Swan River Trust refers all development proposals, which may be of significance to the Aboriginal community to the Aboriginal Affairs Department for comment. SRT also includes reference to the Aboriginal Heritage Act, where appropriate, to inform the applicant of their obligations under the A H Act.</p> <p>Development proposals are also referred to the Native Title claimants for sites affected by Native Title claims.</p>

CONSERVATION AND ENVIRONMENTAL PROTECTION



EUROPEAN HISTORIC SITES

1988 Recommendations	1994 Status	Current Status
<p>70. Identify and protect sites of cultural and/or historical significance by proclamation of Western Australian Heritage Legislation (HCWA).</p>	<p>Implemented - Act promulgated. Sites are identified on an ongoing basis.</p>	<p>Implemented.</p> <p>The Heritage Register and the Interim Register identifies sites with historical significance which have protection under the Heritage Act.</p> <p>The Shire of Swan, City of Perth, City of Fremantle, City of Armadale, City of Canning and Town of East Fremantle have municipal inventories.</p> <p>City of Armadale: Developing a cultural plan.</p>
<p>71. Develop appropriate historical sites as tourist attractions (WATC, LGA, HCWA).</p>	<p>Ongoing implementation in accordance with the SRT Act. Applications are assessed on their merits.</p>	<p>Ongoing.</p> <p>City of Nedlands (Gallop House), Town of Vincent (Walters Brook - Banks Reserve), Mosman Park (Vlamingh Parklands), City of Bayswater (Ellis House), City of Gosnells (Harris Homestead and Orange Tree Farm), City of Canning (Woodloes Cottage), City of Armadale (Settlers Common, Buckingham's Mill, and Minnowarra Old School), Bassendean (Pensioners Cottage) have all been developed. City of South Perth has plaques in place to identify the historic sites at Como Beach, Mends Street Tram, The Uggies, Chinese Market garden.</p>

RECREATION AND TOURISM



RECREATIONAL USE

1988 Recommendations	1994 Status	Current Status
<p>72. Undertake a survey of existing foreshore facilities and their current use and use this data in the preparation of management plans for foreshore reserves (SRT, MSR, LGA).</p>	<p>Implemented during the preparation of individual management plans. See Appendix 1 and 2.</p>	<p>Ongoing during preparation of management plans.</p> <p>Town of Bassendean: Undertaking a review of existing facilities and ongoing evaluation.</p> <p>City of Perth: Analysis done to improve use of facilities. Being addressed by Perth Access Plan and Capital City Development Unit.</p> <p>City of Armadale: Planning to undertake a recreational strategy.</p> <p>City of Gosnells: Preparing a leisure plan.</p>
<p>73. Identify where new recreation club facilities are needed and, where possible, assist with their provision (MSR, DOT, LGA, SRT).</p>	<p>Assist as requested and in accordance with the SRT Act.</p> <p>Sites are identified in management plans.</p>	<p>Ongoing. SRT and MSR provide advice only, and are not responsible for actively developing foreshore facilities. Sites are identified as management plans are prepared.</p> <p>Rowing WA undertaking a feasibility study into the upgrading of facilities on the Canning River.</p> <p>Shire of Swan: Have proposed ovals at Lilac and Marshall Parks.</p> <p>City of Gosnells: Preparing a leisure plan.</p> <p>City of Bayswater: Considering a boat launching ramp at Riverside Gardens.</p>

RECREATION AND TOURISM



RECREATIONAL USE

1988 Recommendations	1994 Status	Current Status
<p>74. Review proposals for upgrading or establishment of recreation club facilities to determine if better use could be made of the existing facilities or if alternative foreshore facilities could be shared with other organisations (MSR, DOT, SRT, MFP).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>Policies formulated for guidance.</p>	<p>Ongoing implementation in accordance with the SRT Act. SRT provides advice to the public and supports sharing of facilities.</p> <p>Rowing WA undertaking a feasibility study into the upgrading of facilities on the Canning River.</p> <p>City of Nedlands: Considering upgrading facilities at Tawarri Lodge.</p>
<p>75. Monitor trends in recreational use and participation through surveys, observation and public consultation to determine requirements for future recreation facilities and opportunities (SRT, MSR, DOT).</p>	<p>Ongoing implementation – A recreational survey was undertaken during preparation of the South Perth Foreshore Management Plan.</p>	<p>Ongoing implementation during preparation of foreshore management plans. Ministry of Sport and Recreation in consultation with the Water Resources Council commissioned the <i>Review of Water based Recreation in Western Australia</i> in 1995.</p> <p>Swan River Trust engaged a consultant to undertake a “Yacht Club Study”, to assess the impacts of further expansion of yacht clubs, on other river uses.</p> <p>City of Gosnells: Undertaking preparation of a leisure plan.</p> <p>City of Armadale: To prepare a recreational strategy.</p> <p>WA Aquatic Council represents every significant group of recreational users, provides feedback every month to DOT.</p>
<p>76. Design a brochure which identifies recreation areas and facilities and encourage the public to use those areas most suitable for particular activities (SRT, MSR, LGA).</p>	<p>Initiated - The SRT 'Report to the Community' contains such a map for the lower river area.</p> <p>A map showing areas where vessels must operate at less than 8 knots is also being prepared by DOT and the Trust.</p>	<p>Initiated as in 1994. City of Subiaco and Town of Mosman Park have developed community plans.</p> <p>Shire of Swan: Have prepared a picnic pamphlet, and is negotiating with Trails west to prepare an inventory.</p>

RECREATION AND TOURISM



RECREATIONAL USE

1988 Recommendations	1994 Status	Current Status
<p>77. Integrate hire and drive operations with other foreshore activities and provide facilities (toilets, parking, barbecues, seating, shade) to serve all foreshore users (LGA, SRT, DOT).</p>	<p>Ongoing implementation in accordance with SRT Act and in the preparation of management plans.</p>	<p>Ongoing implementation in accordance with the SRT Act and in the preparation of management plans.</p> <p>Town of Mosman Park: Council does not support further commercial activities.</p> <p>City of Stirling: There is a need to give further consideration to the protection of the Chinaman Bay area from boating activities.</p> <p>City of Perth: Bike hire and “Hole in One” golf, operate from Barrack Square.</p> <p>Shire of Swan: A sailing school operates in the Swan River.</p>
<p>78. Identify suitable areas for, and types of hire and drive operations in foreshore management plans (DOT, LGA, SRT).</p>	<p>Ongoing implementation during the preparation of individual management plans.</p>	<p>Ongoing implementation during the preparation of individual management plans.</p> <p>Hire of sailboards occurs at the Qantas boat ramp Nedlands.</p>

RECREATION AND TOURISM



BOATING ACTIVITIES

1988 Recommendations	1994 Status	Current Status
<p>79. Increase boating education programmes (DOT).</p>	<p>Seeking advice from DOT.</p>	<p>Ongoing implementation. DOT has steadily been increasing boating education programmes since 1981 and is involved with national and New Zealand marine authorities in the development of joint programmes. Additional funds from the recent increases in boat registration fees have been assigned for boating education programs.</p> <p>SRT Report No 27 <i>Inquiry into the Effects of vessels on the Swan and Canning Rivers 1996</i>, specifically recommended state wide certification for all drivers of all registered motorised craft to the Australian Yachting Federation TL 3 level certification. Rec 3 is to produce a brochure to outline responsibilities of all users relating to safety, navigation and general waterways courtesy.</p>
<p>80. Establish alternative sites outside the river environment for water-oriented activities such as rowing, skiing, kayaking (MSR, MFP).</p>	<p>Ongoing implementation in accordance with the SRT Act. The Trust advises proponents to consider areas outside the river system for such activities.</p>	<p>Ongoing implementation.</p> <p>SRT Report No 27 <i>Inquiry into the Effects of vessels on the Swan and Canning Rivers 1996</i>, specifically recommended a public launching facility at Rous Head.</p> <p>Facilities have been provided at Hillary's Boat Harbour, Water Ski Park Baldivis and along the Rockingham foreshore for jetskiing.</p>
<p>81. Investigate the suitability of additional rowing club facilities elsewhere on the river including multi-use of other recreation club facilities (MSR, DOT).</p>	<p>Through the statutory application process the Trust encourages proponents for new facilities to investigate the feasibility of sharing existing facilities.</p>	<p>Ongoing as in 1994.</p>

RECREATION AND TOURISM



BOATING ACTIVITIES

1988 Recommendations	1994 Status	Current Status
<p>82. Investigate development of additional water ski sites in ocean locations (DOT, MSR, MFP).</p>	<p>Seeking advice from DOT.</p>	<p>Ongoing implementation. Transport is investigating a proposal to allow water skiing in any waters except those which are designated as prohibited to water skiing. The question of “developing additional sites” in the ocean would then be irrelevant because water skiing would be allowed.</p>
<p>83. Examine problems of noise impact on residential areas adjacent to water ski areas within the management area (DEP).</p>	<p>Ongoing - DEP have monitored individual situations.</p> <p>LGA's have some regulatory control over noise.</p> <p>A Ministerial inquiry will address these and other boating issues. The Terms of Reference have been developed by the Swan River Trust.</p>	<p>Ongoing implementation. The EPA has developed new noise regulations as a result of recommendation 17 in SRT Report No 27 <i>Inquiry into the Effects of vessels on the Swan and Canning Rivers 1996.</i></p> <p>City of Melville undertook a noise survey for Council at Deep Water Point in 1994.</p> <p>In 1995 <i>Guidelines for the Use of Certain Powered Craft Report of Working Group No 6</i> was prepared for the special Commission for Sport and Pleasure Navigation.</p> <p>As a result of public concern in relation the impact of noise on residential areas from personal powered craft DOT has implemented a management strategy. <i>Management of Personal Watercraft on Western Australian Waters</i> Jan 1998.</p>
<p>84. Prepare a management programme for wind surfing in the river. This should address intrusion into conservation areas, level of use at existing sites, and alternative sites (SRT, LGA, DOT, MSR, CALM).</p>	<p>A management programme is not required at present, however plans for specific areas may address this issue eg. Melville Beach Road.</p> <p>Prepare advice leaflet for windsurfers (SRT, DOT, LGA's, MSR).</p>	<p>No action. A management programme is no longer required as there have been no complaints.</p> <p>An artificial surfing reef is proposed at Cable Reef.</p>

RECREATION AND TOURISM



BOATING ACTIVITIES

1988 Recommendations	1994 Status	Current Status
<p>85. Promote areas upstream of Middle Swan Bridge and Riverton Bridge as canoeing areas, with power boats to be discouraged. This would not involve de-snagging in these areas but signposting should be erected warning of the dangers of snags. Canoe trails and launching facilities to be developed in these areas (SRT, DOT, LGA).</p>	<p>Some signs advocating no wash zones were deployed by SRT and DOT in the upper reaches.</p> <p>The Trust discourages commercial power boat operations in the upper reaches when advising the Minister on statutory applications.</p> <p>Prepare as a matter of priority a policy on this (SRT, DOT).</p>	<p>Ongoing. No wash zones have been deployed. The speed limits upstream of these bridges is 4 knots and there are warning signs indicating the presence of snags, which discourage the use of power vessels in the area.</p> <p>City of Canning: Upgraded boat launching facilities at the old Riverton Bridge for non motorised water craft. No access provided upstream of Kent Street Weir.</p> <p>City of Gosnells: Provided canoe club facilities at Hester Park.</p>
<p>86. Support the establishment of a speed boating facility for the power boat club at Burswood Island and a permanent gazetted area on adjacent waters. Investigate time-sharing of this area with the Power Dinghy Racing Association (DOT).</p>	<p>Implemented.</p>	<p>Implemented as in 1994.</p>
<p>87. Investigate the feasibility of time-sharing of the gazetted speed boating area at Heirisson Island between the speed boat club and a possible jet ski hire and drive operator. Priority should be given to use by the power boat club (DOT).</p>	<p>Implemented - The Trust has prepared a policy on personal powered craft. The current policy does not favour existing types of jet skis because of their typically high noise levels.</p>	<p>Implemented No sharing of facilities occurs because provision for personal powered craft area has been provided across the river, as a result of recommendations in DOT's report <i>Management of Personal Watercraft on Western Australian Waters</i> Jan 1998.</p>
<p>88. Investigate the need to amend relevant legislation to control use of private houseboats on the river and prevent permanent living on houseboats. Circulate standard letter to boat owners concerning living on boats (SRT).</p>	<p>Implemented through Swan River Trust Regulation 9.</p> <p>Prepare an information pamphlet to advise people on existing regulations and Trust policy on this matter (SRT).</p>	<p>Ongoing. A commercial houseboat strategy has been prepared. SRT has endorsed a trial for which tenders have been sought. Regulation 9 may be reviewed following analysis of the results.</p>

RECREATION AND TOURISM



BOATING ACTIVITIES

1988 Recommendations	1994 Status	Current Status
89. Undertake studies to determine the effect of boat usage on the river environment, particularly turbidity over shallow banks and boat wash (DOT, SRT).	Initiated - Studies undertaken by the SRT for upper reaches of Swan . Studies to determine the effect of power boat usage on the downstream environment be undertaken (DOT, SRT).	Initiated. SRT undertaken Report No 27 <i>Inquiry into the Effects of vessels on the Swan and Canning Rivers 1996</i> . No further studies done to examine effects from boat wash. DOT advice that it would be difficult to determine between the effects caused from boat wash from the effects caused from natural tidal conditions.

RECREATION AND TOURISM



MARINAS, YACHT CLUBS AND ASSOCIATED FACILITIES

1988 Recommendations	1994 Status	Current Status
<p>90. Investigate mechanisms for using revenue raised from river facilities and leases to manage the river and provide more public facilities (see 131 and 132) (SRT, DOT).</p>	<p>The Trust and WRC have consultants investigating alternative mechanisms for waterways management funding.</p>	<p>No action</p>
<p>91. Develop procedures for a single lease for both land and water bed areas and nominate one landlord. The issue of LGA receiving funding to assist in the provision of services for over-water developments should be addressed (DOLA, DOT, LGA, CALM).</p>	<p>DOT are doing a strategic plan for maritime facilities.</p> <p>Identify appropriate managers for single leases eg DOT for maritime facilities, LGA's for others eg restaurants (SRT, DOLA, DOT, LGA's, CALM).</p>	<p>No action in relation to developing single leases. DOT Strategic Plan completed in 1994. It may be more appropriate to bring lease expiry dates into line rather than try and develop single leases.</p> <p>SRT currently preparing a report on the status of yacht clubs and marinas in relation to their current environmental performance. SRT also reviewing Policy DE 8 for Yacht Clubs and DE 15 for Marinas.</p> <p>No further consideration given to local governments receiving funding.</p>
<p>92. Encourage marinas and yacht clubs to supply alternatives to wet pen storage for small craft. These alternatives include boat ramps, boat stacking facilities and hard-standing (DOT, MFP, LGA, SRT).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p>	<p>Ongoing implementation in accordance with the SRT Act. SRT encourages yacht clubs to consider alternatives to wet pen storage for small craft when assessing development applications. However alternatives such as boat stacking can have a detrimental affect on the river landscape.</p>
<p>93. Marinas should only be located in areas that: (DOT, MFP, SRT)</p> <ul style="list-style-type: none"> - Require only minor site modifications so that large maintenance works that may generate compounding environmental problems (eg. regular disposal of dredged material) are not required. 	<p>Ongoing implementation in accordance with the SRT Act.</p>	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>Reference to local government should be included because of the land based considerations which fall under the jurisdiction of local governments.</p>

RECREATION AND TOURISM



MARINAS, YACHT CLUBS AND ASSOCIATED FACILITIES

1988 Recommendations	1994 Status	Current Status
<ul style="list-style-type: none"> - Do not impinge on sensitive environmental areas. - Do not impinge on other legitimate competing uses. - Take account of river landscape. 		
<p>94. Ensure that mooring redevelopments optimise the use of water lease areas including pen and swing mooring layouts. Further expansion of water lease areas should be discouraged (DOT, SRT).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p>	<p>Ongoing implementation. DOT is currently conducting a review of mooring administration and mooring locations.</p>
<p>95. Upgrade existing boat launching areas to include adequate parking and investigate the need for new moderate sized boat ramps. Boat launching ramps, both public and in yacht clubs and marinas, should be a means to encourage boat owners to store trailable boats away from the river. The location of these boat ramps to be incorporated into foreshore management plans. Restrict new boat ramps in upstream areas where boating opportunities are limited (DOT, SRT, LGA).</p>	<p>Ongoing implementation in accordance with the SRT Act and management plans.</p>	<p>Ongoing implementation. Boat ramps at Johnson Parade, Mosman Park; Leeuwin, East Fremantle; Aerodrome Reserve, Maylands; Bath Street, Maylands, Fishmarket Reserve, Guildford, Cloisters Ave, South Perth have all been upgraded.</p> <p>Town of Bassendean: Proposing upgrading the boat ramp at Pickering Reserve.</p> <p>City of Bayswater: Considering providing a boat launching ramp at Riverside Gardens.</p> <p>City of Gosnells: Has provided canoe club facilities at Hester Park.</p> <p>City of Canning: Upgraded boat launching facilities at the old Riverton Bridge for non motorised water craft.</p>

RECREATION AND TOURISM



MARINAS, YACHT CLUBS AND ASSOCIATED FACILITIES

1988 Recommendations	1994 Status	Current Status
<p>96. Encourage ocean boating facilities (DOT).</p>	<p>Initiated - Development of Rous Head. DOT actively assesses community needs boating facilities.</p>	<p>Initiated. Rous Head facilities completed. SRT Report No 27 <i>Inquiry into the Effects of vessels on the Swan and Canning Rivers 1996</i> recommends provision of a public boat launching facility at Rous Head. DOT advise further studies are required to justify another boat ramp at North Fremantle.</p>
<p>97. Encourage sullage pump out facilities at major yacht clubs and marinas (SRT, HD, DOT).</p>	<p>Ongoing implementation in accordance with the SRT Act and in management plans.</p> <p>Subject to Trust policy.</p>	<p>Ongoing. SRT has been encouraging the provision of sullage pump out facilities, however none have been provided, except at Barrack Square Jetty. There are plans to include a facility at South Perth Yacht Club as part of their extensions in late 1998.</p> <p>SRT reported to the Minister for the Environment on <i>Discharge of Bilge water and sewage from Commercial Ferries Using the Swan River 1995</i> (unpublished).</p> <p>SRT Report No 27 <i>Inquiry into the Effects of vessels on the Swan and Canning Rivers 1996</i> recommended (No 28) State Government provide public pump out facilities at suitable locations.</p>
<p>98. Ensure public access along the foreshore in front of yacht clubs is kept open at all times, and that the public is not discouraged from using that access. Review leases where necessary (DOLA, SRT, LGA, DOT, CALM).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>Develop an administrative arrangement between the Trust and yacht clubs detailing responsibilities within and between lease areas. The agreement to include details of maintenance of public access, development approval process and policy regarding river bed leases (Swan River Trust, DOT, LGA's).</p>	<p>Ongoing. Public access through yacht clubs is an ongoing concern for the Trust. Yacht clubs are generally reluctant to allow access for security reasons. SRT undertaking ongoing negotiations with yacht clubs, however the issue needs further attention.</p> <p>DOLA considered including requirements for public access as part of conditions of lease. This was considered impractical.</p>

RECREATION AND TOURISM



MARINAS, YACHT CLUBS AND ASSOCIATED FACILITIES

1988 Recommendations	1994 Status	Current Status
		<p>A walkway around South Perth Yacht Club and a Public Access Way through the club to connect with the Dual use path have been completed.</p> <p>CALM has lease agreements with Mounts Bay Sailing Club and Royal Perth Yacht Club's which are both within CALM management reserves. Both clubs are aware that public access is to be maintained, but logistics at the site have not always encouraged public access.</p>
<p>99. Retain the Maylands Slipyards as a public facility for building private boats Upgrade mooring and slipping facilities (MFP).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>Seeking advice from MFP.</p>	<p>Ongoing. Slipping facilities needs new boards.</p>
<p>100. Allow commercial boat building on the river to continue at its current level (MFP).</p>	<p>Ongoing in accordance with the SRT Act.</p>	<p>Ongoing. Commercial boat building is relocating in favour of redevelopment. Only the site at Maylands remains.</p>
<p>101. Retain a sufficient range of industries servicing river facilities in appropriate locations (MFP, DOT).</p>	<p>Ongoing in accordance with the SRT Act.</p>	<p>Ongoing. Yacht Clubs provide services. See comments above.</p>
<p>102. Undertake a study to determine the maximum amount of mooring desirable, determine the location of future mooring areas in the river and prepare a government policy on mooring control. Aspect to consider in the study are: (DOT, SRT)</p> <ul style="list-style-type: none"> - Protection of sensitive seagrass areas. - Growth of boating use. 	<p>Seeking advice.</p> <p>Develop an inter-departmental policy between DOT and SRT to manage mooring areas.</p>	<p>Ongoing. DOT is currently undertaking a review of mooring administration and mooring areas.</p>

RECREATION AND TOURISM



MARINAS, YACHT CLUBS AND ASSOCIATED FACILITIES

1988 Recommendations	1994 Status	Current Status
<ul style="list-style-type: none">- Size of boats stored on the water.- Competing recreation uses.- Navigation and safety		
103. Investigate the need to extend the Port of Perth into upstream areas as a means of mooring control (DOT, SRT).	Implemented - other legislation exists to control the use of swing moorings.	Implemented. The Maritime Bill removes nexus between port areas and mooring control areas. Under the new Act DOT will be able to control mooring areas without the need to declare the areas as the Port of Perth.

RECREATION AND TOURISM



TOURISM

1988 Recommendations	1994 Status	Current Status
104. Restrict foreshore tourist service facilities to those essential. Facilities providing support to the service, eg. administration buildings, should be located away from the river foreshores (MFP).	Ongoing implementation in accordance with the SRT Act and management plans.	Ongoing implementation in accordance with the SRT Act and management plans.
105. Conduct a feasibility study for a ferry service between tourist development around the river (Transperth, WATC, DOT).	Implemented - See 46 and 47.	Ongoing. Ministry for Planning prepared a discussion paper – <i>“Improving the Viability of Additional Passenger Ferry Services on the Swan and Canning Rivers by integrating Transport and Land Use Planning”</i> .(Sept 1997). Department of Transport <i>Additional Ferry Services Working Group</i> set up to examine the potential for additional ferry services (Aug 1997). The working group overlooked the employment of consultants to look at the viability of the ferry services and to prepare a strategy. Tenders were advertised nationally in June 1998. Feasibility study currently being prepared and due for completion mid 1999.
106. Publish an information booklet and map detailing the attractions of the river for self-drive tourists and day visitors (SRT, WATC).	No action. Consider development of this booklet when funds are available.	Ongoing. WATC has published the Perth and Fremantle Guide since 1995, which includes suggested drives that follow the river course and outlines most tourist attractions.
107. Require tourist operators proposing to conduct tours into conservation areas to seek approval from the relevant management body (WATC, LGA, CALM).	Ongoing implementation in accordance with the SRT Act.	Ongoing implementation. CALM require a licence regardless of tenure.
108. Encourage tourist facilities and activities which have a high degree of authenticity and enhance the natural attributes of the area (WATC, SRT).	Ongoing implementation in accordance with the SRT Act and management plans.	Ongoing implementation in accordance with the SRT Act and management plans. Need to include reference to local governments.

NAVIGATION AND BOATING SAFETY



BOATING CONTROL

1988 Recommendations	1994 Status	Current Status
<p>109. Determine special use areas having regard for:</p> <ul style="list-style-type: none"> - Boating safety. - Recreational use. - Impact on the foreshore including vegetation bank stability. - Compatibility with the overall river plan for the area. (DOT, SRT, MFP) 	<p>Ongoing implementation in accordance with the SRT Act and management plans.</p> <p>Draft a regulation which will allow for control over boating for purposes other than navigation eg protection of conservation areas (SRT).</p>	<p>Ongoing implementation. in accordance with the SRT Act and management plans.</p> <p>Addressed in SRT Report No 27 <i>Inquiry into the Effects of vessels on the Swan and Canning Rivers 1996</i>, and DOT <i>Management of Personal Watercraft on Western Australian Waters</i> Jan 1998.</p>
<p>110. Extend the existing mechanism so that navigable waters may be closed for conservation and maintenance objectives as well as for safety reasons (DOT, SRT, CALM).</p>	<p>See 109.</p>	<p>Ongoing implementation. (see comments above).</p>
<p>111. Encourage and expand the recently introduced voluntary training programmes for boating operators (DOT).</p>	<p>Seeking advice.</p>	<p>Ongoing. DOT Marine Education Branch actively promotes the provision of training and candidature for the Small Craft Safety Course. The National Marine Safety Committee is nearing completion of agreed national standards for recreational boat driver licensing.</p> <p>SRT Report No 27 <i>Inquiry into the Effects of Vessels on the Swan and Canning Rivers 1996</i>, specifically recommended state wide certification for all drivers of all registered motorised craft to the Australian Yachting Federation TL 3 level certification.</p>
<p>112. Ensure installation of fire fighting equipment at all major jetties, including yacht clubs and marinas (DM, DOT).</p>	<p>Seeking advice.</p>	<p>Ongoing. Steps are taken to provide necessary facilities in accordance with DOME and Fire Brigade standards.</p> <p>Dangerous Goods Legislation 1940 refers to standards required for fuel dispensing outlets.</p>

FISHING**FISHERY MANAGEMENT**

1988 Recommendations	1994 Status	Current Status
113. Reduce the numbers of professional fishing licences through decline by retirement and withdrawal of licence holders from the industry until the number of licences has been reduced to twelve (FD).	Implemented. WA Fisheries Dept Policy.	Implemented. Less than 12 exist in 1998.
114. Collect and assess information on the impact of the current Restricted Entry Policy, and make adjustments to the policy when necessary (FD).	Ongoing implementation.	Ongoing implementation. The policy is periodically reviewed.
115. Endorse the Policy of the Department of Fisheries to close the waters to amateur net fishing from July 1988 (excluding prawning or crabbing) (FD).	Implemented.	Implemented.
116. Develop an education programme which emphasises the need for regulation and maintenance of habitats and breeding areas (FD).	Ongoing implementation.	Ongoing implementation.
117. Undertake research on: <ul style="list-style-type: none"> - Species taken by commercial and recreational fishing. - The effects of changes to the river environment on fish and shellfish, and their habitats (FD). 	Implemented - The Department of Fisheries is undertaking research on species composition and impacts on the fishery.	Initiated. Fisheries Department do not undertake research. SRT provides support for catchment groups who undertake fish surveys when required and as funds are available. Upper Canning Southern Wungong Catchment Team received funds to undertake a fish survey in the Upper Canning, Southern River and Wungong Brook – completed 1998.

PUBLIC PARTICIPATION



PUBLIC INVOLVEMENT AND EDUCATION

1988 Recommendations	1994 Status	Current Status
<p>118. Ensure that all significant development proposals on and around the river are available for public comment before any decision is made. Investigate the need to amend legislation to achieve this recommendation (DEP, SRT, MFP) (Implemented under Part V of the Swan River Trust Act, 1988).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p>	<p>Ongoing implementation in accordance with the SRT Act.</p>
<p>119. Ensure community representation on the Swan River Trust (MPC) (Implemented Section 12 - Swan River Trust Act).</p>	<p>Implemented by Swan River Trust Act.</p>	<p>Implemented by Swan River Trust Act.</p>
<p>120. Investigate the desirability of a community advisory committee to assist the Swan River Trust on policy preparation and matters affecting the river environment (SRT).</p>	<p>Implemented. Establish a community advisory committee to assist the Swan River Trust on policy preparation and matters affecting the river environment (SRT).</p>	<p>No action. No community advisory committee established as all policy reviews are put out for public submissions to seek comment.</p>
<p>121. Implement public education and interpretative programmes which promote awareness, appreciation, understanding and active concern for the natural and cultural values of the river environment. These programmes should be designed to involve active public participation (SRT, MSR, LGA, MFP, DEP, CALM).</p>	<p>Ongoing implementation - A schools education and teacher training programme is in preparation. Trust provides a range of informational material. Programs to involve active public participation are being developed as part of the "Swan Canning Clean Up" program including the establishment of a Swan River Volunteer Corp.</p>	<p>Ongoing implementation. SRT provides support to catchment and community groups to promote awareness. The WRC Ribbons of Blue program operates at State schools, and support is provided to the Swan Avon catchment centre. Addressed in the Swan and Canning EPP Cl 9 (1) c) and d).</p>

PUBLIC PARTICIPATION



PUBLIC INVOLVEMENT AND EDUCATION

1988 Recommendations	1994 Status	Current Status
		<p>Swan Canning Clean up Program recommends strategies to support integrated catchment management and raising public awareness.</p> <p>Most local governments are dealing with this as part of their commitments to Agenda 21.</p> <p>City of Armadale: Have an Eco Recreation Plan targeting school children, and supports the Upper Canning Southern Wungong Catchment Team.</p> <p>City of Melville: Have developed an Environmental education pack and conducts regular tours and talks with schools.</p> <p>City of Canning: Encourages and supports CREPPA and Bannister Creek Catchment group.</p> <p>City of Bayswater: Provides support to catchment management (BICM), and supports education programs.</p> <p>Shire of Swan and City of Fremantle: Have both developed a community planting program in their respective areas.</p> <p>Shire of Mundaring: Supports Swan Mundaring ICM.</p> <p>City of South Perth: Have developed a program with schools in the area called <i>Green Teams</i> to look after conservation areas Penrhos College: Waterford; Pias College: Cloisters Reserve; St James Primary: Western Suburbs; South Perth Primary: Milyu.</p> <p>CALM provided interpretative signage along its foreshore areas.</p>

PUBLIC PARTICIPATION



PUBLIC INVOLVEMENT AND EDUCATION

1988 Recommendations	1994 Status	Current Status
122. Examine the feasibility of establishing a public record of projects and proposals under consideration affecting the river environment (SRT).	Initiated with the proclamation of the Swan River Trust Act. A full record of developments has not been made available by the Trust as such a list has not been requested.	No action. No list requested and no longer relevant with Freedom of Information legislation, public reporting through annual reports, press releases etc.

MANAGEMENT



COORDINATION

1988 Recommendations	1994 Status	Current Status
<p>123. Prepare a detailed management programme for the river environment. This should include development of statutory and non-statutory policies and agreements between the SRT and other agencies to manage particular areas of the river environment (SRT).</p>	<p>Initiated.</p> <p>Policies are complete.</p> <p>The Strategy has been used as a defacto management programme by the Trust. With a significant number of recommendations implemented.</p> <p>Assign a high priority to development of the SRMP (SRT).</p>	<p>No Action. A detailed management programme, as required under the SRT Act 1988 Part 3 has not been developed. In its absence the Swan River Management Strategy remains the blue print for managing the river together with the SRT policies.</p> <p>SRT policies are complete and are currently being reviewed.</p> <p>The Swan Canning EPP Cl 9 (1)(a) requires the preparation of a Comprehensive Management Plan for the policy area which includes the SRT Management Area.</p> <p>Swan Canning Cleanup Program launched in 1994 as a five year program to reduce algal blooms.</p>
<p>124. Implement procedures for referral and consideration of development proposals so that the interests of all involved agencies are taken into account (SRT).</p>	<p>Implemented with proclamation of the Swan River Trust Act (Sections 12 & 23).</p>	<p>Implemented with proclamation of the Swan River Trust Act.</p>

MANAGEMENT



EMERGENCY PROCEDURES

1988 Recommendations	1994 Status	Current Status
125. Ensure that management agencies have adequate equipment to control chemical and oil spills in the river (SRT, DOT).	Implemented.	Implemented.
126. Endorse the review of the W. A.. Transport Emergency Assistance Scheme. The WATEAS should be broadened to include storage incidents (SES, DM, DOSHWA).	Implemented- (WATEAS is being replaced by the WAHMEMS Scheme). Change the recommendation to reflect the new WAHMEMS Scheme.	Ongoing. WAHMENS replaced by WA HAZMAT Plan. A committee is formed of industry and government department representatives to facilitate management of transport of dangerous goods. The committee reviews emergency responses and how to work together effectively and is chaired by the fire services.
127. Prepare contingency plans for key agencies with a role in combating direct and indirect spillages to the river environment. Plans should be compatible with WATEAS. Agencies should liaise with SES for advice on preparation of plans (DM).	Implemented. Contingency plan developed and distributed by the Trust. This plan is updated yearly.	Implemented. SRT has its own emergency response procedures which are currently being reviewed. State emergency response operates a 24 hour a day pager service and provided advice on how best to manage pollution incidents such as spills.
128. Review road routes for and means of transporting substance with the potential to pollute the river environment. (DM).	No action - Follow up with DM.	Ongoing. Guidance notes have been developed by the Department of Mines and Energy which recommend avoiding the CBD and water sensitive catchments. Being considered as part of DOT <i>Freight Strategy</i> . Main Roads undertaken risk assessment for new Narrows Bridge and Tonkin Highway bridge. Risks are low. Both bridges will have sealed drainage and an inverse weir to take out hydrocarbons and to accommodate a 72 hour detention. Detention basin is planned for the Tonkin Highway Bridge. Sealed drainage and hazard load trapping provided to Bedforddale- Armadale link.

MANAGEMENT



SWAN RIVER TRUST MANAGEMENT AREA

1988 Recommendations	1994 Status	Current Status
129. Extend the Swan River Trust Management Area to include any extension to the Regional Parks and Recreation Reservation adjacent to the river to enable the SRT to assist with the management and preparation of plans for land vested in other authorities (DEP, SRT)	No action. Prepare a regulation pursuant to the Swan River Trust Act to permit changes to the Trust management area (SRT).	Implemented. SRT currently undertaking a review of the Management Area to accommodate changes to the P & R Reservation since 1988. A second review is planned to assess need to extend the Management Area. A comprehensive Management Plan to be prepared as part of Swan Canning EPP.
130. Convene meetings between LGAs and SRT to negotiate arrangements for foreshore management and investigate the need to apply LGA by-laws over sections of the river (SRT, LGA).	Implemented - Regular annual meetings are held between the Trust and LGA's to discuss issues of mutual interest.	Ongoing. Meetings with local governments are held when needed.

MANAGEMENT



CAPITAL AND MAINTENANCE WORKS

1988 Recommendations	1994 Status	Current Status
131. Develop appropriate funding arrangements for river maintenance. This may include cost sharing between local government and the State and contributions from commercial operators (SRT, DOT, LGA, CALM, MFP).	Ongoing implementation. DOT are preparing a strategic plan for maritime facilities. Develop appropriate funding arrangements for river maintenance (SRT).	Ongoing implementation.

MANAGEMENT



STAFF AND FINANCES

1988 Recommendations	1994 Status	Current Status
132. Establish an inter-departmental committee to review resources required and develop a financial strategy for implementing the Swan River Management Strategy (SRT, MPC).	The Trust is currently involved in talks regarding corporate sponsorship. A broadly represented reference group has been formed to investigate alternative funding sources.	No action.
133. Increase the visible presence of management authorities on the river including weekends (DOT, SRT, CALM, FD).	Ongoing implementation. The Trust has seventy Honorary Inspectors. These Inspectors are drawn from local and state government and the general community.	Ongoing. DOT has encouraged all local authorities bordering the Swan and Canning Rivers to permit their ranger staff to be trained as authorised officers under the Navigable Waters regulations. This does not include issue of Infringement Notices. To date Bayswater has 3, Perth 7, Peppermint Grove 1 and East Fremantle 1.

2.2 Area Recommendations



AREA 1

RIVER MOUTH TO PETRA STREET AND POINT ROE

1988 Recommendations	1994 Status	Current Status
<p>A1 Endorse the City of Fremantle's and SPC's North Fremantle River Foreshore Plan. The plan encourages medium density housing, improved public access to the foreshore, and a range of opportunities in the area. Retain space for some marine service industry, and review cycle and pedestrian access in the area (FCC, MFP).</p>	<p>Implemented.</p> <p>Review the North Fremantle River Foreshore Plan (SRT, FCC, MFP).</p>	<p>Implemented. North Fremantle Foreshore Plan Update prepared in 1996 on behalf of the City of Fremantle, to review the 1991 Environmental Management Plan.</p> <p>North Bank Foreshore Management Plan completed July 1997 as a condition of subdivision approval.</p> <p>The North Fremantle Foreshore area is included in the Vlamingh Parkland regional park. A concept plan was released in Nov 1997.</p>
<p>A2 Prepare and release for public comment a management plan for the cliff faces in the Town of East Fremantle (EFTC, MFP).</p>	<p>Partly considered in the East Fremantle Foreshore Landscape study.</p> <p>Undertake a comprehensive study for the cliff faces in the Town of East Fremantle (EFTC, MFP, SRT).</p>	<p>Ongoing. Geo-technical study undertaken by consultants for the Town of East Fremantle, to assess the stability of the cliff faces, and to recommend remedial action for risk management (1997).</p> <p>Subsequent study completed for the cliff faces above the Left Bank Café by the MFP in 1999.</p>
<p>A3 Prepare and release for public comment a management plan for System 6 Recommendation M57 in consultation with the Western Australian Museum. The plan should recognise in particular the geological importance of the area (MPTC, DEP).</p>	<p>Initiated – Work has been undertaken by the Leighton Peninsula Regional Park Committee. This committee had not met for some time.</p> <p>An environmental study has been completed by a student on behalf of the Trust.</p> <p>Reconvene the Leighton Peninsula Regional Park Committee (MFP, MPTC, DEP, SRT).</p>	<p>Ongoing. A management plan has not been completed for the System 6 Recommendation M57 (Minim Cove Area).</p> <p>The area is included in the Swan River Fact Finding Study: Rocky Bay to Point Roe completed 1994, and is included in the Vlamingh Parklands regional park.</p>

AREA 1



RIVER MOUTH TO PETRA STREET AND POINT ROE

1988 Recommendations	1994 Status	Current Status
<p>A4 Prepare landscape concept plan for Area 1 which would integrate various land and water uses. This plan should include building design and landscaping guidelines for land owners and lessees and should incorporate plans referred to in A1, A2 and A3 (MFP, FCC, MPTC, EFTC).</p>	<p>Initiated - Preparation of the plan is underway as part of the Swan River Landscape Plan. The development of this plan was given a high priority and initially consultants were engaged by the Trust to prepare it. However it is suspended in 1993 due to limited funds. Funds have been allocated for 1994-95. See Rec 14.</p>	<p>Initiated. The area is described in the Swan River Trust Landscape Description. Precinct policies are yet to be developed as part of the Precinct Policy Plan.</p> <p>The East Fremantle Landscape Plan has been prepared by the Town of East Fremantle.</p> <p>North Fremantle Foreshore Plan developed.</p>
<p>A5 Ensure that redevelopments along the North Fremantle foreshore which benefit from its river location incorporate features which improve public amenity, including improved public access, specifically setting freehold titles back a reasonable distance from the river and from edges of steep foreshores, ie. cliff tops (see Section 5.2.3) (MFP, FCC).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>The City of Fremantle and the Trust in consultation with DOT, MFP and local residents association agreed to prepare a structure plan for this area.</p>	<p>Ongoing implementation pursuant to the SRT Act and in accordance with approved management plans.</p> <p>North Bank Foreshore Management Plan completed July 1997 as a condition of subdivision approval for the redevelopment of the site.</p> <p>North Fremantle Foreshore Plan developed.</p> <p>Redevelopment of the Pier 21 site currently being considered by the Trust. The Trust requires the development of a concept plan for the foreshore area (Lots 436 and 437) at the Pier 21 site as part of any approval for the development of the adjoining lots (Lot 6 and 100). The foreshore land is leased by the Minister for Lands to the owner of the adjoining lots. To date there is no approved plan for the foreshore area.</p> <p>EPP Clause 15.</p>
<p>A6 Re-align existing swing moorings opposite Gilbert Fraser Oval to make best use of available space (DOT).</p>	<p>Seeking advice.</p>	<p>Ongoing. Will be considered as part of DOT review of mooring administration and mooring areas.</p>

AREA 1**RIVER MOUTH TO PETRA STREET AND POINT ROE**

1988 Recommendations	1994 Status	Current Status
A7 Ensure land set aside for Swan Junior Yacht Club is used for appropriate purposes such as Junior Yacht Club facilities or parkland (DOLA, EFTC, SYC, SRT).	Ongoing implementation in accordance with the SRT Act. Develop a landscape plan for this area (EFTC, SYC, SRT).	Ongoing implementation in accordance with the SRT Act. Area included in the East Fremantle Landscape Plan.
A8 Renovate Drivers' residence (Left Bank) in accordance with proposals prepared by the Town of East Fremantle (EFTC).	Implemented.	Implemented. Drivers residence (Left Bank) has been renovated and is currently used as a café bar.
A9 Investigate the feasibility of eliminating discharges associated with industry (DEP, WC, SRT).	Ongoing implementation as part of the SRT's pollution control operations.	Ongoing. Industries have relocated away from the river foreshore area in favour of urban development. Ongoing monitoring of the CSBP site.
A10 Investigate opportunities for improved public access on the river side of sites occupied by the Army and Navy, and marina and industrial complexes, and for increased public parking, including possible use of part of Leeuwin Barracks for this purpose (EFTC, MFP, ARA).	Ongoing implementation in accordance with the SRT Act. This was partly addressed in the East Fremantle Foreshore Landscape study, however it is an ongoing issue for the LGA and requires further attention. Investigate this issue further (EFTC, MFP, ARA, SRT).	Ongoing as reported in 1994. Increased parking is no longer an issue.
A11 Investigate the effects of river engineering works on sediment movement downstream of Point Roe (DOT).	Implemented - DOT have completed a study of the area.	Implemented.

AREA 1



RIVER MOUTH TO PETRA STREET AND POINT ROE

1988 Recommendations	1994 Status	Current Status
<p>A12 Ensure adequate foreshore reserve is established if industry at Point Roe is phased out (MFP, MPTC).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>The Town of Mosman Park has entered into an agreement with the current owners which will ensure that an adequate reserve will be acquired on redevelopment.</p>	<p>Implemented. Subdivision of land at the CSR (Point Roe) site has been undertaken. A condition of approval required the provision of an adequate foreshore reserve and preparation of a foreshore management plan (Mosman Waters Foreshore Management Plan). The draft plan has been completed.</p>

AREA 2**BLACKWALL REACH (PETRA STREET AND POINT ROE TO CHIDLEY POINT AND POINT WALTER)**

1988 Recommendations	1994 Status	Current Status
A13 Develop and release for public comment a land use plan for Bicton Quarantine Station (MCC) (Implemented).	Implemented.	Implemented.
A14 Prepare and release for public comment a management plan for System 6 Recommendation M56. The area should be extended to include the geological site at The Coombe, Mosman Park (MPTC, DEP).	Initiated - The Leighton Peninsula Regional Park Committee. DEP have approached the LGA requesting they give this some consideration.	Initiated. This area is included in the Vlamingh Parklands regional park. There is no foreshore management plan for this area. Consideration should be given to the preparation of such a plan.
A15 Support implementation of Blackwall Reach Reserve Management Plan (MCC).	Implemented.	Implemented.
A16 Resite existing carpark at Durdham Park back from the river (MCC) (Implemented).	Implemented with A13.	Implemented.

AREA 3



CHIDLEY POINT TO POINT RESOLUTION

1988 Recommendations	1994 Status	Current Status
<p>A17 Prepare and release for public comment a management plan for System 6 Recommendations M54, M56 and M59. Plans for M54 and M56 should recognise the importance of geological sites in these locations (MPTC, PGTC, NCC, DEP).</p>	<p>Initiated - Management plan for M54 and M59 completed.</p>	<p>Ongoing. M 56 - No specific management plan exists. M54 (Freshwater Bay Foreshore) and M59 (Point Resolution) - both areas are included in the Freshwater Bay Management Plan which has been completed. All three areas are included in Vlamingh Parklands.</p>
<p>A18 Prepare and release for public comment a management plan for all foreshore areas incorporating plans referred to in A17 and address the issue of private development on public foreshores (MFP, PGSC, MPTC, NCC, SRT, DOLA, CTC).</p>	<p>Initiated - Management plans completed for M54 and a draft plan for the Freshwater Bay foreshore has been released for public comment. Assess the need for an overall plan on completion of these management plans (SRT).</p>	<p>Initiated: As in A 17 above. Overall plan to be developed as part of the development of the Trust's precinct policies.</p>
<p>A19 Provide public access along the river foreshore between Mosman Bay and Green Place Reserves at Chidley Point. Options include construction of a boardwalk or reclamation along the foreshore (MFP, SRT, PGSC, MPTC).</p>	<p>Ongoing implementation in accordance with the SRT Act. Some small sections have been completed eg the MPTC recently constructed a walkway near the Coombe.</p>	<p>Initiated. A narrow informal track is in existence along this section. Town of Mosman Park is developing plans for access along the foreshore as part of the strategic plan.</p>
<p>A20 Provide public access through yacht clubs (DOLA, CTC, PGSC, CALM)</p>	<p>Ongoing implementation in accordance with the SRT Act. Provision of public access is normally a condition of the lease.</p>	<p>Ongoing. Public access through yacht clubs is an ongoing concern for the Trust as Yacht clubs are generally reluctant to allow access for security reasons. This issue needs resolving in many areas. Access is possible through Claremont Yacht Club, because a P & R Reserve is contiguous along the foreshore.</p>

AREA 3**CHIDLEY POINT TO POINT RESOLUTION**

1988 Recommendations	1994 Status	Current Status
		Access is not provided through the foreshore areas at Royal Freshwater Bay Yacht Club. There is a need to follow up this recommendation with CALM when leases are renewed.
A21 Encourage reconstruction of Claremont Jetty for recreational use (CTC, DOT).	Implemented.	Implemented.
A22 Ensure that commercial developments on the foreshore or over water incorporate adequate parking provision and do not detract from the amenity of the foreshores, other use and nearby residential areas (MFP, MPTC, PGSC, DOT).	Ongoing implementation in accordance with the SRT Act.	Ongoing implementation in accordance with the SRT Act. Considered and developed as part of Town of Mosman Park Action Plan which forms part of their Strategic Plan.
A23 Promote the public use of White Beach (NCC).	The draft Freshwater Bay Management Plan, prepared by the Trust addresses this.	Implemented as part of the Freshwater Bay Management Plan.
A24 Encourage restoration of the boatsheds at Keanes Point as examples of a once common feature of river use (DOT, PGSC, SRT).	Ongoing implementation in accordance with the SRT Act (as licences come up for transfer).	Ongoing implementation in accordance with the SRT Act. One boatshed renovated in 1997.
A25 Investigate the desirability of extending the boat speed limit area north of Chidley Point (DOT).	Seeking advice.	Ongoing. DOT does not support extending the 8 knot speed limit stating that this will not solve boat wash problems. DOT currently investigating NSW initiatives to reduce boat wash.

AREA 4



POINT WALTER TO DEE ROAD

1988 Recommendations	1994 Status	Current Status
<p>A26 Develop and release for public comment a management and landscape plan for the Point Walter foreshore area. This plan should include: (MCC)</p> <ul style="list-style-type: none">- Relocation of roads and carparks at Point Walter away from the foreshore.- Increased beach recreational opportunities.- Provision for commercial development at Point Walter which will take advantage of hillside views but will not compromise the foreshore reserve.- Provision for expanding and upgrading the kiosk at Point Walter.- Provision for income from the commercial development to be used for development of public facilities.- Limitation of hire and drive facilities to minimise over-crowding.- Provision for protection of the existing charm of the are including that of Point Walter Spit and Jetty.	<p>Implemented.</p>	<p>Implemented.</p>

AREA 4



POINT WALTER TO DEE ROAD

1988 Recommendations	1994 Status	Current Status
<p>A27 Prepare and release for public comment a management and landscape plan for the Attadale Reserve. This plan should involve an investigation of the demand for recreational opportunities along the Burke Drive foreshore. Include consultation with the regional community and the Department for Sport and Recreation (MCC, MSR, SRT).</p>	<p>No action.</p> <p>Progress the implementation of this recommendation (MCC, MRS, SRT).</p>	<p>No action.</p>
<p>A28 Change the purpose of the road reserve along Melville Beach Road to Recreation Reserve (DOLA, MCC).</p>	<p>No action.</p>	<p>No action. The Crown reserve along this section of the river foreshore is reserved to high water mark for the purpose of a road. This should be amended to include a reserve between the road reserve and high water mark for recreation purposes.</p> <p>The SRT Management Area review has proposed deletion of foreshore roads from the Management Area.</p>
<p>A29 Consider relocation of the air navigation facility from Alfred Cove Nature Reserve when it is due for replacement. The land should be vested with CALM for inclusion within the Alfred Cove Nature Reserve to ensure preservation of the important geological site in this location (DOA, CALM).</p>	<p>A management plan for the Swan Estuary Marine Park is in preparation.</p> <p>This issue will be considered in that document.</p>	<p>Ongoing. The Department of Aviation no longer required the navigation facility and so CALM acquired land from DOLA and leases it to a local radio station. The site is proposed to be decommissioned and added to the reserve.</p> <p>Swan Estuary Marine Park Management Plan to be released shortly.</p>

AREA 4



POINT WALTER TO DEE ROAD

1988 Recommendations	1994 Status	Current Status
<p>A30 Implement System 6 Recommendation M61 (Alfred Cove Aquatic Reserve) as a Conservation Reserve (refer Section 5.3.1). This should include both the land and water area and the geological site underlying the air navigation beacon. Prepare and release for public comment a management plan for the area (CALM, DOLA, DOA, DEP).</p>	<p>Implemented – See A29. Investigate whether the geological site has been sufficiently protected (CALM).</p>	<p>Implemented. The area is reserved as a conservation reserve and is included in the Swan Estuary Marine Park. A management plan has been completed and is due for public release.</p>
<p>A31 Establish a bird observation and interpretation facility in the Alfred Cove Nature Reserve and resite part of the existing dual-use path around the perimeter of the reserve (CALM, MCC)</p>	<p>Implemented - however the bird hide was removed due to the high level of maintenance required.</p>	<p>Ongoing. Swan Estuary Marine Park Management Plan proposes a board walk and bird observation area. Atwell House redevelopment proposes an interpretative facility.</p>
<p>A32 Support proposals to reduce the residential density coding (R50) adjacent to Alfred Cove Nature Reserve (MCC).</p>	<p>No action.</p>	<p>Ongoing. Melville Community Planning Scheme achieves this in part which proposes low density R 12.5 (from R 20) in the River Foreshore Precinct except in the Hislop Frame Precinct which is proposed as medium densities.</p>
<p>A33 Undertake studies to determine maximum noise level and activity levels for protection of waterbirds (CALM).</p>	<p>No action.</p>	<p>No action.</p>

AREA 5



DEE ROAD TO CANNING BRIDGE

1988 Recommendations	1994 Status	Current Status
<p>A34 Provide greater public access and recreation opportunities on the headland and foreshore of Point Heathcote, should the Heathcote Hospital be relocated. Redevelopment of the site should provide for a mix of residential, commercial and recreational uses (MFP ,MCC, HD).</p>	<p>There was a public debate about the future of this site recently. The City of Melville are preparing a heritage management plan.</p>	<p>Ongoing. Following closure of the hospital and agreement with the State Government, MCC has adopted a Development Concept Plan and proposed Amendment 144 to its Town Planning Scheme 3, which fulfils this recommendation, including the provision of more open space, community uses and heritage preservation.</p>
<p>A35 Encourage the redevelopment of the Raffles Hotel site to take greater advantage of its riverside location (MCC, MFP).</p>	<p>The wording of the recommendation is easily misinterpreted - it requires rewording so that it does not imply that it should be demolished.</p> <p>Reword the recommendation: Maximise the site's river side location if it is redeveloped.</p>	<p>Ongoing. A redevelopment proposal for the Raffles site was considered by both the Trust and MCC, but was refused on regional planning grounds by the WAPC. The matter is now being heard by the Town Planning Appeals Tribunal.</p> <p>Demolition of the historical site is an issue and forms part of the planning consideration.</p>
<p>A36 Enhance the recreational area on the western side of Point Heathcote adjacent to the Waylen Bay water ski area by providing shade and recreation facilities for users of the water ski area and foreshore. The issue of impact on adjacent residents should be addressed (MCC, MFP)</p>	<p>No action.</p>	<p>No action.</p>
<p>A37 Require the reshaping and redevelopment of Point Dundas to provide a stable alignment for a dual use path and public lookout on the foreshore reserve (MCC, MFP).</p>	<p>Implemented.</p>	<p>Implemented.</p>

AREA 5**DEE ROAD TO CANNING BRIDGE**

1988 Recommendations	1994 Status	Current Status
A38 Revegetate the foreshore around Point Dundas with rushes to inhibit ongoing erosion (SRT).	Ongoing implementation. Trust field staff replant the area on an opportunistic basis.	Ongoing implementation. Some works to stabilise the foreshore and prevent erosion have occurred in recent years, however the area is still denuded of native indigenous vegetation.
A39 Support the City of Melville's objective to create a continuous foreshore reserve from Jeff Joseph Reserve to Bull Creek (MCC).	Implemented. A continuous reserve exists to Brentwood Ave.	Implemented.
A40 Investigate the impact of net fishing activity in Alfred Cove (CALM, FD, SRT).	No action.	Ongoing. Addressed in the Swan Estuary Marine Park Management Plan.

AREA 6**POINT RESOLUTION TO PELICAN POINT**

1988 Recommendations	1994 Status	Current Status
<p>A41 Prepare a landscape development plan for the Esplanade foreshore between Beaton Park and J.H. Abrahams Reserve. This should include the possibility of developing sandy beaches on the Beaton Park foreshore (NCC, SRT).</p>	<p>Initiated - to be considered in the Swan River Landscape Plan.</p> <p>The City of Nedlands undertake landscape works as part of their works program.</p>	<p>No action. City of Nedlands maintain the area as part of their works program.</p>
<p>A42 Implement System 6 Recommendation M62 (Pelican Point Aquatic Reserve) as a Conservation Reserve (refer to Section 5.3.1). Prepare and release for public comment a management plan for the area (CALM, SCC, DEP).</p>	<p>Implemented.</p> <p>The plan is in preparation by CALM.</p>	<p>Implemented. The area is reserved as a conservation reserve and is included in the Swan Estuary Marine Park. A management plan has been completed and is due for public release.</p>
<p>A43 Support the City of Nedlands Commercial Management Study. Permanent commercial facilities and structures should only be constructed between The Esplanade and the scarp (MFP, NCC).</p>	<p>Ongoing implementation in accordance with the SRT Act and the management study.</p>	<p>Ongoing implementation in accordance with the SRT Act.</p>
<p>A44 Provide public access along the river foreshore between Beaton Park and Point Resolution Reserve. Options include construction of a board-walk or reclamation (see Section 5.2.1 and 5.2.3) (SRT, NCC).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>The City of Nedlands have prepared a plan.</p>	<p>No further action.</p>

AREA 7



PELICAN POINT TO NARROWS BRIDGE

1988 Recommendations	1994 Status	Current Status
A45 Discourage new activities and associated facilities in Matilda Bay (CALM, SCC).	Ongoing implementation in accordance with the SRT Act. CALM have prepared a management plan for the area.	Ongoing implementation in accordance with the SRT Act and Matilda Bay Management Plan (1992- 2002).
A46 Review the need for expansion and upgrading of rowing club facilities to accommodate more than one club (CALM, SRT, MSR, ARAWA).	Ongoing implementation in accordance with the SRT Act.	Ongoing implementation in accordance with the SRT Act.
A47 Support the transfer of vesting of Matilda Bay Reserve from CALM to the City of Subiaco (CALM, SCC).	No action - the recommendation is no longer relevant. CALM wish to retain vesting.	No action the recommendation is no longer relevant. CALM wish to retain vesting.
A48 Landscape Matilda Bay Reserve and the grounds of the University of W. A.. to be complementary to each other (CALM, UWA).	Implemented in the Matilda Bay Management Plan.	Implemented in the Matilda Bay Management Plan.
A49 Integrate redevelopment of the Swan Brewery with the foreshore so as to maintain public access, especially for around the river and for fishing (MFP) (Implemented).	Implemented.	Implemented as in 1994.
A50 Maintain a policy of permitting use of University car-park by the public wishing to use foreshore areas on weekends (UWA).	Implemented.	Implemented as in 1994.

AREA 8**NARROWS BRIDGE TO CANNING BRIDGE**

1988 Recommendations	1994 Status	Current Status
<p>A51 Implement System 6 Recommendation M60 (South Perth Aquatic Reserve) as a Conservation Reserve (refer Section 5.3.1). This should include both the land and water area. Prepare and release for public comment a management plan for the area (CALM, DEP).</p>	<p>Implemented.</p> <p>The plan is in preparation as part of the Swan Estuary Marine Park Management Plan.</p>	<p>Implemented. The area is reserved as a conservation reserve and is included in the Swan Estuary Marine Park. A management plan has been completed and is due for public release.</p>
<p>A52 Continue preparation of the Landscape Precinct Study and release it for public comment (SPCC, PZG).</p>	<p>Implemented.</p>	<p>Ongoing. Landscaping is carried out in accordance with the City of South Perth Western Foreshore Management Plan, with the exception of the proposed lagoon which is not proceeding.</p> <p>The Perth Zoo Master Plan 1990 had made reference to landscaping works to a section of the foreshore at Milyu and to develop a botanic park at Richardson Park which was never adopted.</p>
<p>A53 Prepare an overall landscape concept plan for the foreshore incorporating the plans prepared for A51 and A52. Recreation nodes should be concentrated at footbridges (SPCC).</p>	<p>Implemented.</p> <p>The plan is in preparation as part of the Swan Estuary Marine Park Management Plan.</p> <p>A landscape plan has been prepared.</p>	<p>Ongoing. City of South Perth has developed the Western Foreshore Management Plan (1993).</p> <p>CALM has prepared the Swan Estuary Marine Park Management Plan which is due for public release.</p>
<p>A54 Improve and expand parking in the Mill Point area (SPCC).</p>	<p>Implemented.</p>	<p>Implemented.</p>

AREA 8



NARROWS BRIDGE TO CANNING BRIDGE

1988 Recommendations	1994 Status	Current Status
<p>A55 Encourage the use of the area by wind surfers near the Preston Street and Thelma Street footbridges by providing grassed areas for rigging sail boards. Discourage wind surfers near the Mill Point water skiing area and the Charles Street footbridge, adjacent to the Milyu Nature Reserve (SPCC, DOT).</p>	<p>Implemented - however the area is not very popular amongst windsurfers.</p>	<p>Implemented - the area is still not very popular with the windsurfers.</p>

AREA 9



CANNING BRIDGE TO SHELLEY BRIDGE (INCLUDING BULL CREEK)

1988 Recommendations	1994 Status	Current Status
<p>A56 Prepare an overall management plan for the area between Canning Bridge and Shelley Bridge which would address issues such as the need for additional rowing club facilities, rowing course development and related land access subject to the continued protection of the area (SRT, DOT, SPCC, MCC, CALM, CCC).</p>	<p>Initiated - Draft Lower Canning River Management Plan has been released for public comment. Public comments will be reviewed and amended where appropriate.</p>	<p>Implemented. Lower Canning River Management Plan completed 1995.</p>
<p>A57 Prepare and release for public comment management plans for System 6 Recommendation M66 and M74. The plan for M74 should be jointly prepared by the Cities of Canning and Melville (MCC, SPCC, CCC, CALM, DEP).</p>	<p>Initiated - M66 completed by City of South Perth (Mount Henry feature management plan). M74 being considered in the Bull Creek Management Plan being prepared by the City Of Melville. Both areas have been considered in the draft Lower Canning River Management Plan (LCRMP).</p>	<p>Implemented. Both areas are included in the Lower Canning River Management Plan. M66 is covered in the Mount Henry Management Plan 1993. M74 is included in the Yagan Wetland Reserve Management Plan 1996 which was completed and adopted by City of Canning and SRT.</p>
<p>A58 Review the MRS Parks and Recreation Reservation in the Bateman Estate with a view to acquiring an adequate foreshore reserve (MFP, MCC).</p>	<p>The Draft LCRMP makes recommendations for the area relating to the definition of the existing reserve.</p>	<p>Ongoing. LCRMP recommends that land reserved for a Parks and Recreation Reserve, and still in private ownership should be acquired. City of Melville is considering the adequacy of the P & R Reservation along this section.</p>

AREA 9



CANNING BRIDGE TO SHELLEY BRIDGE (INCLUDING BULL CREEK)

1988 Recommendations	1994 Status	Current Status
<p>A59 Protect fish nursery grounds in Shelley Basin (SRT, FD, MFP).</p>	<p>The draft LCRMP reiterates this.</p> <p>Investigate whether an appropriate mechanism to protect these fish nursery grounds may be through an amendment to the Land Act allowing reservation of land below low water mark (SRT).</p>	<p>Implemented. Land Administration Act now allows for reservation of land below low water mark.</p>
<p>A60 Reconstruct the recreational jetty in the vicinity of Riverton Bridge (DOT, CCC).</p>	<p>No action.</p> <p>Negotiate an agreement between the City of Canning and the Trust for reconstruction of the jetty (SRT, CCC).</p>	<p>No action. No longer considered appropriate for safety reasons.</p>
<p>A61 Support the City of Melville's proposals to improve public access along The Esplanade and Bull Creek foreshores (MCC, SRT).</p>	<p>Initiated - Has been addressed in the preparation of the draft LCRMP.</p>	<p>Initiated. Addressed in the LCRMP.</p>
<p>A62 Discourage informal boat landing along vegetated sections of the river foreshore (MCC, CCC, SRT).</p>	<p>Ongoing implementation in accordance with the SRT Act Regulations. City of Melville have established formal boat storage areas. These are proving very successful.</p>	<p>Ongoing. Addressed in the City of Canning Foreshore Management Policies.</p>
<p>A63 Investigate the possibility of extending the Curtin University Rowing Club facilities at Salter Point to accommodate another club (SRT, MSR).</p>	<p>Implemented - The facility is fully committed and no opportunity exists to accommodate other clubs.</p>	<p>Implemented as in 1994.</p>

AREA 10**CANNING WETLANDS (SHELLEY BRIDGE TO NICHOLSON ROAD BRIDGE)**

1988 Recommendations	1994 Status	Current Status
A64 Declare the Canning River Regional Park (MFP, CALM, CCC).	Implemented.	Implemented.
A65 Continue development of a joint management programme for the area and release for public comment (CALM, CCC, MFP, SRT).	Initiated - A planning committee has been formed. It is chaired by CALM.	Implemented. Canning River Regional Park Advisory Committee formed and Canning River Regional Park Management Plan developed.
A66 Acquire remaining privately owned land within the proposed Regional Park (MFP).	Ongoing implementation by MFP.	Ongoing.
A67 Endorse the SPC's Terms of Reference for the 'South East Corridor Transportation Planning Study' which states that 'Due to its unacceptable environmental and social effects the previously considered Spencer-Chapman Road link will not be considered as a future option'. (SRT, MFP, CCC).	Implemented.	Implemented and MRS amended.
A68 Review land zoning adjacent to the proposed Regional Park to ensure compatibility with conservation of flora and fauna (MFP, CALM, CCC).	Ongoing implementation in accordance with the SRT Act. Supported by the interim park management committee and will be considered by the current committee.	Ongoing. Considered as part of City of Canning Scheme review.
A69 Investigate the incorporation of mud flats between Shelley and Riverton Bridges into the proposed Regional Park (CALM, FD).	No action.	Implemented. Area is included in the Canning River Regional Park

AREA 10



CANNING WETLANDS (SHELLEY BRIDGE TO NICHOLSON ROAD BRIDGE)

1988 Recommendations	1994 Status	Current Status
A70 Investigate the need to restrict power boat usage and control launching areas in the proposed Regional Park (DOT, MFP, CCC).	The Trust discourages power boating in the upper reaches. Ensure this issue is addressed by the current management planning committee for the regional park (SRT).	Implemented. Addressed in Canning River Regional Park Management Plan. A canoe ramp has been provided at the Old Riverton Bridge. The area has been revegetated and a car park established.

AREA 11



UPPER CANNING AND SOUTHERN RIVERS

1988 Recommendations	1994 Status	Current Status
<p>A71 Determine areas suitable for Parks and Recreation Reservation on Canning and Southern Rivers to implement System 6 Recommendation M75. Prepare and release for public comment a management plan for the area (MFP, CALM, GCC, ACC, DEP, SRT).</p>	<p>Initiated - Draft report has been prepared (Armadale Regional Open Space Study) - Both the Trust and City of Armadale believe a major amendment to the MRS, based on this study, should be a high priority.</p>	<p>Ongoing. The proposed MRS Amendment to reserve sections of the foreshore along the Canning River was unsuccessful. Foreshore areas along the Southern River are included as parks and recreation reserves under the MRS.</p> <p>Draft management plan for the Upper Canning Southern/Wungong (UCSW) catchment has been released for public comment, and to be finalised late 1998.</p>
<p>A72 Undertake a revegetation programme including removal of exotic species (CALM, GCC, ACC, SRT).</p>	<p>Initiated - Gosnells recommends the wording be changed to pest and noxious weeds to allow for some exotics in certain areas.</p> <p>The Trust and City of Armadale recently gained National Landcare Funding to tackle this problem.</p>	<p>Ongoing. Community revegetation projects have been undertaken at various sites along the foreshore. eg. Southernwood Creek Project and at other demonstration sites. Weed control is an issue that needs addressing prior to revegetating areas.</p> <p>Draft UCSW Catchment Management Plan released. NHT funding sought by UCSW catchment team to address landcare.</p> <p>EPP Cl. 14</p>
<p>A73 Create dual-use paths and walkways in the area in accordance with the 'Interim Environmental Guide-lines for Dual-Use Paths' (MFP, GCC, ACC, SRT).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p>	<p>No Action. City of Gosnells have developed a dual use path plan which needs further attention.</p>
<p>A74 Examine alternatives to acquisition of foreshore areas to permit public access to and along the foreshore (MFP).</p>	<p>No action.</p>	<p>Ongoing. Preparation of the State wide Foreshore Policy (WRC) includes private property foreshore agreements as an alternative to acquisition.</p>
<p>A75 Identify recreation nodes suitable for local use (MFP, CALM, SRT, GCC).</p>	<p>Initiated - as part of report mentioned in A71.</p>	<p>Ongoing. City of Gosnells developing a Leisure Plan for the city.</p>

AREA 11



UPPER CANNING AND SOUTHERN RIVERS

1988 Recommendations	1994 Status	Current Status
A76 Investigate the feasibility of creating a series of weirs/ponds to improve recreational use of the waterway adjacent to recreation nodes (SRT, GCC, ACC).	No action. Progress this recommendation with the Cities of Gosnells and Armadale (SRT).	No Action.
A77 Investigate suitable locations for camping and chalet facilities in the upper reaches, taking into account the problems of nutrient enrichment (MFP, SRT, GCC, ACC).	No action.	No Action. In CALM Management Plan for Darling Range Regional Park. In CALM control June 1999.

AREA 12



PERTH WATER AND HEIRISSON ISLAND

1988 Recommendations	1994 Status	Current Status
<p>A78 Develop Barrack Square and the Around the River Ride dual-use path as a tourism and recreation precinct, integrating with the redevelopment plans of the Cities of South Perth and Perth for the area (WATC, PCC, SPCC).</p>	<p>Ongoing implementation in accordance with the SRT Act and the management planning process.</p> <p>The approved redevelopment of Barrack Square addresses public access etc.</p> <p>The WA Rowing Club is being upgraded.</p>	<p>Ongoing. Major upgrade of Barrack Square proposed in conjunction with housing of the Bell of St Martin's by the State Government - project coordinated by the Capital City Development Committee.</p> <p>City of Perth Riverside Drive and Foreshore landscape enhancement works commenced. Proposal includes separation of dual use path from the river promenade, rest areas, lighting, landscaping including bedding plants.</p>
<p>A79 Develop a commercial/recreation node at Point Fraser which complements the existing recreation uses of the area (cycle hire and helicopter operations) (PCC, MFP).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>A development proposal has been approved but works have not commenced.</p> <p>The City of Perth have completed a planning study for the area.</p>	<p>Ongoing. City of Perth Concept plan for Point Fraser and Heirisson Island programmed to commence 1999/2000 financial year.</p>
<p>A80 Upgrade the Barrack Square and Jetty area by relocating the bus terminus, improving pedestrian access and parking and providing essential public facilities including toilets and a sheltered area for passengers, and reconstruction of the historic W. A. Rowing Club building. Examine financing from the public and private sector to implement this recommendation (MFP, DOT, DCC, WARC).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p> <p>The rowing club has been renovated and redevelopment plans approved for all jetties.</p>	<p>Ongoing. Major upgrade of Barrack Square proposed in conjunction with housing of the Bell of St Martin's by the State Government - project coordinated by the Capital City Development Committee.</p> <p>Redevelopment of ticketing facilities on jetties 2-4 completed. Low level landing for public access constructed on eastern side of Jetty 5. Disabled access ramp planned for jetty 1.</p>

AREA 12



PERTH WATER AND HEIRISSON ISLAND

1988 Recommendations	1994 Status	Current Status
<p>A81 Increase access to the water, where possible by the reduction of walled areas to create rest spots for park users, and increase waterbird habitats including creation of shallow wetlands near Heirisson Island using dredge spoil (SRT, PCC, DOT, CALM).</p>	<p>Initiated - Perth Foreshore Study.</p>	<p>Initiated. City of Perth has approved the budget to develop a concept plan for Fraser Point in the 1999/2000 financial year.</p>
<p>A82 Prepare an overall landscape plan for the Perth Water area (MFP, PCC, SPCC).</p>	<p>Initiated - Perth Foreshore Study, Swan River Landscape Plan and Draft Sir James Mitchell Park (South Perth Foreshore) Management Plan. The SPCC believe an integrated plan is not necessary as the issues are different.</p>	<p>Ongoing. Sir James Mitchell Park Management Plan being prepared. Landscape description prepared for the entire management area completed.</p>
<p>A83 Provide for tearoom/kiosk facilities at appropriate locations to service foreshore users including pedestrians and cyclists (PCC, SPCC).</p>	<p>Ongoing implementation in accordance with the SRT Act and Perth Foreshore Study.</p>	<p>Ongoing. Boatshed Café South Perth developed. Limited opportunities for commercial development at Point Fraser and Barrack Square due to lack of deep sewerage.</p> <p>City of Perth has approved the budget to develop a concept plan for Fraser Point in the 1999/2000 financial year.</p>
<p>A84 Endorse the City of South Perth plans for redevelopment of Sir James Mitchell Park, integrating the Botanic Guide to Perth's Gardens and the Landscape Precinct Study into the plan (see Recommendation A52) (SPCC, SRT).</p>	<p>Implemented.</p>	<p>Implemented.</p>
<p>A85 Encourage the continued operation of hire and drive vessels on the South Perth foreshore (surfcats) (SPCC, DOT).</p>	<p>Implemented.</p>	<p>Implemented.</p>

AREA 12**PERTH WATER AND HEIRISSON ISLAND**

1988 Recommendations	1994 Status	Current Status
A86 Review the desirability of moving Riverside Drive further from the river as part of an overall study of regional roads (MFP, MRWA, PCC).	Initiated - Perth Foreshore Study. PCC continue to support this Recommendation.	Initiated. The Perth Access plan proposes that the Graham Farmer freeway will reduce traffic along Riverside drive. The south bound freeway on-ramp to be removed. The Premier proposes that a portion of Riverside Drive, near Barrack Street will be underground by 2002.
A87 Identify options for further car parking in the area of Mends Street Jetty (MFP, SPCC).	Implemented.	Implemented.
A88 Review commercial berthing and mooring facilities in and around Perth Water (DOT).	Ongoing implementation in accordance with the SRT Act and the Perth Foreshore Study. DOT have commenced the redevelopment of jetties 2-5 at Barrack Square.	Ongoing. DOT currently conducting a review of mooring administration and mooring areas. Redevelopment of Barrack Square berthing facilities has been undertaken (Rec A80). The facilities at Mends Street jetty are proposed to be upgraded.
A89 Investigate the possibility of improving pedestrian and vehicle access to Heirisson Island via the Causeway during weekends and evenings. Upgrade Heirisson Island by providing improved water access, recreation areas and path systems (PCC, MRWA).	No action.	Initiated. Main Roads WA has undertaken works to realign and widen the dual use path along the Causeway to improve safety and accessibility. City of Perth Concept plan for Point Fraser and Heirisson Island being developed. Works programmed to commence 1999/2000 financial year.

AREA 13



BURSWOOD ISLAND TO TONKIN HIGHWAY BRIDGE

1988 Recommendations	1994 Status	Current Status
<p>A90 Prepare and release for public comment management plans for areas subject to System 6 Recommendations M50 and M51 (STCC, Bays CC, BCC, CALM, SRT, DEP).</p>	<p>Implemented - The City of Stirling have prepared a management plan for M50.</p> <p>A planning team comprising LGA, MFP, SRT, EPA and community representatives has prepared draft for M51 which has been released for public comment.</p>	<p>Implemented. Berringa Park Management Plan developed for M 50. Baigup Management Plan developed for M 51.</p>
<p>A91 Prepare an overall management and development plan for the Maylands Peninsula (STCC, MFP, SRT).</p>	<p>Initiated - The City of Stirling have prepared a plan for the golf course. Various proposals have been discussed for the clay pits.</p> <p>The Trust, MFP, EPA and City of Stirling previously prepared an overall plan. This plan did not gain the acceptance of community groups.</p>	<p>Initiated. Maylands golf course developed at the old tip site. Comprehensive monitoring programme established in 1996 and reporting occurs annually to the SRT.</p> <p>Original plan for the redevelopment of the Maylands clay pits was rejected by community groups who wanted the clay pits retained for wetlands. Council sold the area to a private developer who has subsequently subdivided the land into 250 residential lots and retained the claypits (16 hectares) as wetlands. Passive nutrient stripping facilities have been included within the wetlands and water quality monitoring is ongoing.</p>
<p>A92 Release for public comment management plans currently being prepared for Burswood Island to ensure they enhance the aesthetic appeal of the area, improve public access and conserve and enhance wetland vegetation (MFP, MRWA, SRT, PCC).</p>	<p>No action.</p>	<p>Ongoing. No management plans have been prepared. The Burswood Park Board has undertaken extensive replanting of reeds along the foreshore to stabilise the banks and to provide a buffer area.</p>

AREA 13



BURSWOOD ISLAND TO TONKIN HIGHWAY BRIDGE

1988 Recommendations	1994 Status	Current Status
<p>A93 Prepare and release for public comment a development plan for the Bayswater Tip site, incorporating features such as restaurants, kiosks, parklands and other recreational facilities and conservation strategies for the bird sanctuary (Bay. CC, SRT).</p>	<p>Implemented - A management plan has been prepared and is being implemented with funds from the Better Cities Program.</p>	<p>Implemented. Riverside Gardens Management Plan prepared and development works implemented. Ongoing leachate monitoring biannually as part of the NIMP report. WRC field study being undertaken at this site to measure leachate monitoring of the ground water in the area to establish nutrient loading and possible sources of pollution into the river.</p>
<p>A94 Prepare and release for public comment a concept plan for the Belmont Tip site (LANDCORP, MFP, BCC).</p>	<p>An Improvement plan 20 has been prepared by MFP for the site.</p>	<p>Implemented. A concept plan for the Ascot Waters tip site was prepared by Estates Development for the original subdivision. In 1995 a Public Environmental Review was prepared by Le Provost Dames and Moore on behalf of the WAPC. Estates Development are responsible for the environmental management of the site until the project is completed.</p>
<p>A95 Prepare and implement a management and landscape concept plan for the river foreshore to improve its aesthetic appeal and to conserve and enhance wetland vegetation. This should include a revegetation programme, and integrate the plans prepared for Recommendations A90, A91, A92, A93 and A94 (MFP, SRT, PCC, BCC, STCC, Bays. CC).</p>	<p>Initiated - The Swan River Landscape Plan (See 14).</p>	<p>Initiated. Precinct policies are to be developed for all precincts along the river. Landscape description has been completed.</p> <p>A management and rehabilitation plan has been prepared for the foreshore area from Goodwood Parade to the St John of God site, as part of the construction of a footpath along this section.</p> <p>A concept plan and draft Town Planning Scheme No 13 have been prepared for the Springs Special Development Precinct. The Springs Foreshore Landscape Master Plan has been developed by Plan E and has been adopted by Council and approved by the Trust.</p>

AREA 13



BURSWOOD ISLAND TO TONKIN HIGHWAY BRIDGE

1988 Recommendations	1994 Status	Current Status
<p>A96 Complete redevelopment of Maylands Slipyards including mooring piles, pier wall construction, foreshore walling, dinghy launching ramps and dredging. This should be incorporated as part of the overall Maylands Peninsula management plan, Recommendation A91, (MFP, SRT).</p>	<p>Implemented - Work complete.</p>	<p>Implemented.</p>
<p>A97 Develop and promote heritage trails on the Maylands Peninsula, focusing on areas such as the old Brick Works and Tranby House (MFP, STCC, HCWA).</p>	<p>Initiated - Some work has occurred at Tranby House. MFP have recently engaged a consultant to prepare a landscape plan for the area between the Maylands Slipways and the Police Academy.</p>	<p>Ongoing. City of Stirling developing trails in accordance with Swan River Heritage Trail 1988. Proposed trail to link old brick works, Maylands claypits and Swan River, as part of redevelopment of the Maylands Peninsula.</p>
<p>A98 Rezone industrial sites to more appropriate uses when industries relocate (MFP, SRT, PCC, BCC, STCC, Bays CC).</p>	<p>Initiated - MFP are conducting extensive planning studies between East Perth and Bayswater.</p> <p>The City of Belmont are reviewing some of the areas zoned industrial in their TPS.</p> <p>Removal of contaminated soils in the river at East Perth has commenced.</p>	<p>Ongoing. Claisebrook Drain has been redeveloped for residential inner city living pursuant to the East Perth Redevelopment Act. The area is not included within the SRT Management Area, and is managed by the East Perth Redevelopment Authority.</p> <p>Central Belmont Industrial Area has been rezoned to the Business Enterprise Zone to facilitate mixed use development. A mixed Use Study is being undertaken by the City of Belmont to produce a structure plan for the area.</p>

AREA 13



BURSWOOD ISLAND TO TONKIN HIGHWAY BRIDGE

1988 Recommendations	1994 Status	Current Status
<p>A99 Upgrade Goodwood Parade foreshore, implement erosion control measures, increase parking facilities and fishing opportunities (PCC, SRT).</p>	<p>Implemented. Monitor the area with the view to restricting vehicular access to the foreshore if required (SRT, PCC).</p>	<p>No action. Post and rail fencing has been installed along the foreshore to provide protection to the vegetation. The foreshore area needs to be given further consideration as part of the Main Roads works in the area. Both the car park entry and ablution block are to be relocated as part of these works. There is concern that the beach area will continue to expand if further controls to protect the vegetation and limit access is not provided.</p>
<p>A100 Retain the gazetted water ski and power boat areas adjacent to Burswood Island (see Section 5.4.2) (DOT).</p>	<p>Implemented.</p>	<p>Implemented</p>
<p>A101 Eliminate mosquito breeding sites created by human activity along the Bayswater and Belmont foreshore areas to reduce mosquito breeding (ie. stagnant pools associated with previous filling and wheel ruts created by vehicles) while maintaining the natural values and function of the wetland environment (Bays.CC, BCC, SRT, HD).</p>	<p>Initiated - It is not feasible or desirable to eliminate all mosquito breeding sites. The Trust has been working with LGA's above the Causeway to develop an integrated control strategy. The draft has been completed and will be forwarded to the LGA's shortly for consideration. Replace the word 'eliminate' with the word 'manage'.</p>	<p>Initiated. East Metropolitan Continuous Local Area Government (CLAG) has developed an interim strategy for mosquito control. Funding provided on a 50/50 basis between Health Department and Local Governments. The drainage system at the Ascot Waters site is continually monitored and treated accordingly to eliminate mosquito breeding. City of Stirling health department has a comprehensive mosquito control program for Aerodrome Reserve where 4 wheel drive runnels have been a problem. City of Bayswater undertakes trapping within its mosquito control areas as part of a monitoring programme. Blocked culverts at Baigup Reserve have posed a problem by providing ideal conditions for mosquito breeding.</p>

AREA 13**BURSWOOD ISLAND TO TONKIN HIGHWAY BRIDGE**

1988 Recommendations	1994 Status	Current Status
A102 Assess the need for extension of Riverside Drive connecting the Causeway to Burswood Bridge as part of a road network study undertaken in the review of the Metropolitan Region Scheme (MFP, MRWA, PCC).	Initiated -An assessment is being undertaken as part of the East Perth redevelopment project and the Perth Foreshore Study.	Implemented. No longer an option with the construction of the Graham Farmer Freeway and the East Perth Redevelopment at Claisebrook.
A103 Investigate the possible location of a dual-use path circuit on Burswood Bridge and connecting roads (MFP, PCC, MRWA).	No action. PCC have approached MRWA on this matter.	Initiated. Main Roads has included a dual use cycle way for the new Burswood Bridge.
A104 Investigate the possibility of a boat or rowing club using the existing Bayswater sea scout facilities (SRT).	Implemented - The possibility of shared use of this facility was investigated but found to be impractical and a new boathouse has been approved at this site.	Implemented.

AREA 14



TONKIN HIGHWAY BRIDGE TO WEST SWAN ROAD

1988 Recommendations	1994 Status	Current Status
<p>A105 Recognise the Ashfield Flats as having regional significance for passive recreation, wildlife habitat, education and flood plain management as referred to in Section 5.3.1. (MFP, SRT, BTC, DEP).</p>	<p>Ongoing implementation - The importance of Ashfield Flats has been recognised. MFP acquires reserved land as the opportunity arises.</p>	<p>Ongoing. Ashfield flats land use study undertaken in 1987 which was followed by the Ashfield Flats Design and Management Plan (1998). Town of Bassendean currently reviewing all plans and studies as part of a corporate review.</p>
<p>A106 Prepare and release for public comment a management plan based on the recent Ashfield Flats Land Use Study, including identification of appropriate management agencies (MFP, BTC, SRT, CALM).</p>	<p>No action - Town of Bassendean continue to support recommendation.</p>	<p>Ongoing. See comments above.</p>
<p>A107 Prepare and release for public comment a management plan for System 6 Recommendation M44 Swan Backwater. (SCC, SRT, DEP).</p>	<p>Initiated by the Shire of Swan with advice from SRT and DEP.</p>	<p>Initiated. MFP and Shire of Swan have prepared a consultants brief to undertake a management plan for South Guildford, Guildford and Helena River foreshore in the 1998/9 financial year.</p>
<p>A108 Establish a Regional Park between Whiteman Park and the Swan River, encompassing Bennett Brook by means of a Parks and Recreation Reservation, and develop a management programme for the area in consultation with the Aboriginal community (MFP, CALM, SSC, WAM).</p>	<p>Initiated - Shire of Swan continues to support this recommendation.</p> <p>A community group in Bassendean have received a grant to study the flora along Bennett Brook.</p>	<p>Ongoing. Parks and Recreation Reservation in place. MFP has purchased land between Reid Hwy and Benara Road on subdivision of the land. Benara Road to the south included as a P & R reservation. MFP negotiating with the Health Department for a proposed P & R Reservation at the Pyrton site.</p> <p>Bennet Brook Catchment Group instigated.</p>

AREA 14



TONKIN HIGHWAY BRIDGE TO WEST SWAN ROAD

1988 Recommendations	1994 Status	Current Status
<p>A109 Develop a river bank management plan for this whole area to include use of cul-de-sacs and roads for river access, foreshore revegetation and erosion control, erection of fishing platforms and review Parks and Recreation Reservation boundaries (SRT, BTC, SSC, BCC).</p>	<p>No action on the development of a management plan, however the Trust currently undertakes some works on an opportunistic basis. The Shire of Swan and City of Bayswater continue to support this recommendation.</p> <p>The Trust has prepared the Ashfield Parade Foreshore Management Plan in association with Bassendean Town Council.</p>	<p>Ongoing. To be included as part of the preparation of the management plan for South Guildford, Guildford and Helena River foreshore in the 1998/9 financial year.</p>
<p>A110 Develop a walking trail from the Fishmarket Reserve along the Swan and Helena Rivers to the historic Meadow Street precinct at Guildford (SSC, MFP).</p>	<p>No action - An informal path exists and the Shire of Swan intend to do further works subject to the availability of funds.</p>	<p>No action. Walk trail will be established when MFP complete acquisition of the three remaining lots still in private ownership.</p>
<p>A111 Assess the need for the proposed Midland-Western Link Road as part of a road network study undertaken in the review of the Metropolitan Region Scheme (MFP, MRWA).</p>	<p>No action - The recommendation is no longer applicable.</p>	<p>No action. Recommendation is no longer applicable.</p>
<p>A112 Investigate the Helena River from its confluence with the Swan River to the pipehead dam to determine areas suitable for Parks and Recreation Reservation, and landscape protection. Prepare and release for public comment a management plan for System 6 Recommendation M33 when completed (MFP, SSC, MSC, DEP).</p>	<p>Seeking advice.</p> <p>The Shire of Mundaring is keen to ensure that this investigation is conducted.</p> <p>The Trust believes this should be progressed as a high priority.</p>	<p>Ongoing. Major parcels of land along Helena street have already been acquired, with some land remaining in private ownership along Swan River to the heavy freight line in West Midland. Land at Stirling Crescent near railway workshops has been reserved as a P & R Reservation but has not been acquired.</p>

AREA 14



TONKIN HIGHWAY BRIDGE TO WEST SWAN ROAD

1988 Recommendations	1994 Status	Current Status
	<p>Progress this recommendation as a priority (SRT, MFP, SSC, MSC, DEP).</p>	<p>M33 included in South Guildford, Guildford and Helena River foreshore management plan.</p> <p>Area included in the Landscape Protection Zone of the Town Planning Scheme.</p> <p>Helena Valley Catchment Group being set up.</p>
<p>A113 Investigate the desirability of a Regional Park linking Garvey Park, Ashfield Flats and other foreshore areas incorporating management plans prepared for A106, A107 and A109 (MFP, SRT, BTC, BCC, SSC).</p>	<p>Some of this work has commenced however a Regional Park is no longer an option as the area does not conform with the current criteria.</p> <p>Ensure continuity between management plans (SRT).</p>	<p>No further action. The area does not conform with the current criteria for Regional park status as before. Cycle path linking Garvey Park and Beverley Tce was planned but has been dropped.</p>

AREA 15



WEST SWAN ROAD TO MOONDYNE BROOK

1988 Recommendations	1994 Status	Current Status
<p>A114 Implement Swan Valley Policy recommendations relating to the river (MFP, SSC).</p>	<p>The Swan Valley Policy has been replaced by the Swan Valley Act.</p> <p>Ensure coordination between the Trust and administrators of this new Act (SRT).</p>	<p>Implemented. No longer relevant. Development applications assessed in accordance with the Swan Valley Planning Act.</p>
<p>A115 Develop a Landscape Protection Zone in accordance with the recommendations of the Swan Valley Policy Local Advisory Group (MFP, SSC).</p>	<p>Initiated - Shire of Swan has recommended Landscape Protection Zones in its Policy Statement for the Swan Valley.</p>	<p>Implemented. No longer relevant with the proclamation of the Swan Valley Planning Act which provides for protection of the rural landscape.</p> <p>Swan Valley included in the Landscape Protection Zone of the Shire of Swan Town Planning Scheme. Shire of Swan currently undertaking a review of the Scheme to be compatible with the Swan Valley Planning Act.</p>
<p>A116 Amend the Metropolitan Region Scheme between West Swan Bridge and Brigadoon to include an adequate foreshore Parks and Recreation Reservation along the river for the purpose of public access and recreation. This should take account of landscape and topographical features. Prepare and release for public comment a management plan for the area in accordance with System 6 Recommendation M19, (see Section 5.2.1), particularly addressing the issues of fire management and public access (MFP, DEP).</p>	<p>No action.</p> <p>Progress this recommendation as a high priority (SRT, MFP, SSC).</p>	<p>Ongoing. MRS Reservations in place along the Swan River foreshore except between West Swan Bridge and Upper Swan Bridge. To be considered as part of the Darling Range Park MRS Amendment.</p>

AREA 15



WEST SWAN ROAD TO MOONDYNE BROOK

1988 Recommendations	1994 Status	Current Status
<p>A117 Identify and establish a Parks and Recreation Reservation linking Avon Valley and Walyunga National Parks. This area should be managed as part of the national park system. Prepare and release for public comment a management plan for the entire area in accordance with System 6 Recommendations M16 and M18, particularly addressing the issues of fire management and public access (MFP, CALM, DEP).</p>	<p>No action.</p>	<p>Ongoing. P & R Reservations have been substantially completed for the southern side. Studies have been undertaken to identify areas not included on the northern section and yet to be initiated as an MRS Amendment.</p>
<p>A118 Develop facilities for activities such as canoeing, overnight camping and picnicking, also develop walk paths and fence public land (MFP, CALM, SSC, SRT).</p>	<p>Shire of Swan is developing these facilities as funds become available. Provision for the facilities have been included in the Shire's Community Development Plan.</p>	<p>Ongoing as in 1994.</p>
<p>A119 Seek funding to complete the proposed River Enhancement Scheme which includes walk trails, camping areas, canoe trails and picnic areas between Midland and Upper Swan (SRT, MFP, SSC).</p>	<p>No action - Scheme no longer available. Combine this recommendation with Rec 118.</p>	<p>Ongoing as in Rec 118.</p>
<p>A120 Develop recreation nodes at Lilac Hill Park, Ray Marshall Park, Reg Bond Reserve, Middle Swan Bridge, Upper Swan Bridge and Brigadoon, (Bell's Rapids) (SSC, MFP, SRT).</p>	<p>Initiated. The Shire of Swan has undertaken work at Bell's Rapids.</p>	<p>Ongoing. The Shire of Swan has undertaken provision of facilities at all sites except at Upper Swan Bridge.</p>

AREA 15



WEST SWAN ROAD TO MOONDYNE BROOK

1988 Recommendations	1994 Status	Current Status
<p>A121 Develop walk trails from Ray Marshall Park to Reg Bond Reserve, All Saints Church to Upper Swan Bridge, Jane Brook Winery to Gomboc Gallery along Jane Brook, and monitor problems associated with the development (MFP, SSC).</p>	<p>Trail from Ray Marshall Park to Reg Bond Reserve has been completed. No plans for Jane Brook have been proposed.</p>	<p>Ongoing. Trail from Ray Marshall Park to Reg Bond Reserve now in place and named the John George Trail. Others not progressed. Awaiting further acquisition of land still remaining in private ownership in order to progress.</p>
<p>A122 Develop and promote heritage trails (MFP, SSC).</p>	<p>Ongoing implementation in accordance with the SRT Act and proposed management plans.</p>	<p>Ongoing.</p>
<p>A123 Purchase land in the vicinity of Park Street/Padbury Avenue for a recreation node (MFP).</p>	<p>No action.</p>	<p>Ongoing. MFP has purchased land at Elvira Street.</p>
<p>A124 Establish an erosion control and revegetation programme in association with the local government authority and land owners. This should include control of stock (SRT, SSC).</p>	<p>Initiated - Guildford Grammar Management Plan has been prepared.</p> <p>Shire of Swan has an ongoing program of riverbank revegetation and erosion control.</p> <p>Progress this recommendation as a priority (SRT, SSC).</p>	<p>Initiated. Will be considered as part of the proposed South Guildford, Guildford and Helena River foreshore management plan.</p>
<p>A125 Assess housing, tourist developments (motels, chalets and caravan parks) and intensive agriculture proposals be required to take into account problems of nutrient enrichment and limited water exchange before development approval is given (MFP, SSC).</p>	<p>Ongoing implementation in accordance with the SRT Act.</p>	<p>Ongoing implementation in accordance with the SRT Act.</p>

AREA 15



WEST SWAN ROAD TO MOONDYNE BROOK

1988 Recommendations	1994 Status	Current Status
A126 Investigate suitable locations for camping and chalet facilities upstream from Jane Brook. This investigation should address problems of nutrient enrichment outlined, in Recommendation A125 (MFP, SRT, SSC).	No action. Insert the words "on the Swan River" after chalet facilities (SRT).	No action.



3. Conclusion

In 1994 the first audit of the strategy was carried out. This year another audit was completed to assess progress towards implementing the 259 recommendations contained in the original strategy. The process involved interviews, with all government agencies with responsibilities for implementing the strategies, to ascertain the level of progress. The audit revealed that substantial

progress has been made since 1994 and that there is a continued commitment from the responsible agencies towards achieving the strategy outcomes.

The findings of the audit are outlined in the table below.

Table 1: Status of general recommendations

(Number of recommendations 133)

	Implemented	Ongoing	Initiated	Seeking Advice	No Action
1989 publication	7	31	9		84
1994 review	23	65	27	9	9
1998 review	24	91	8	0	10

Table 2: Status of area specific recommendations

(Number of recommendations 126)

	Implemented	Ongoing	Initiated	Seeking Advice	No Action
1987 publication	4	8	34		82
1994 review	32	32	35	3	24
1998 review	43	56	13	0	15

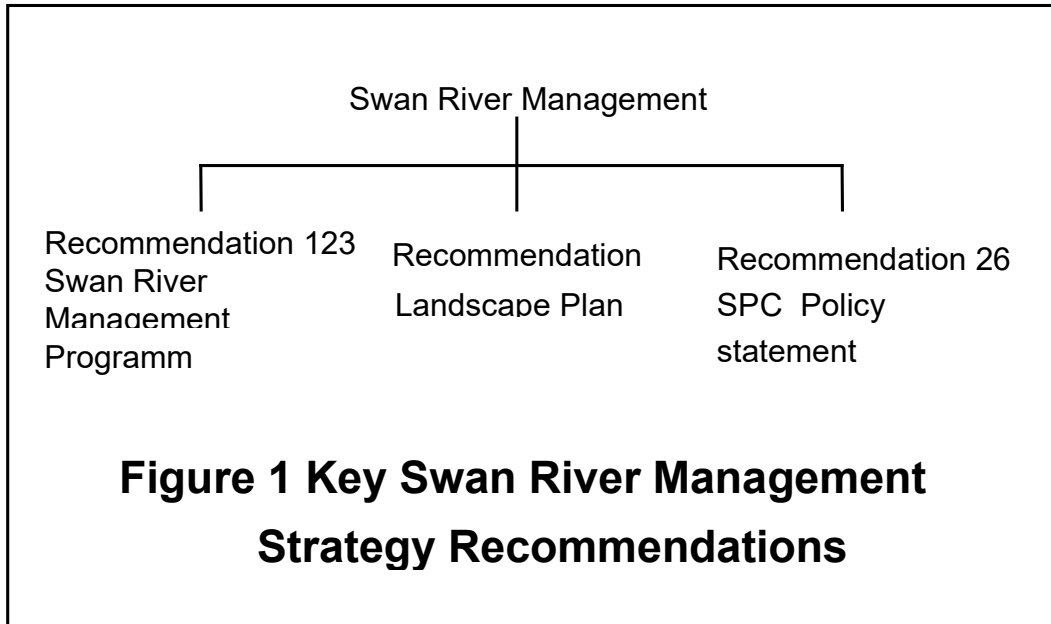
*Some of the recommendations that appear as initiated and seeking advice in 1994 have now been progressed and appear in the ongoing column in 1998.

The results indicate that there are only 25 recommendations which remain without action and eight of those are no longer relevant. Since 1994 eleven recommendations have been completed which is a 20 % increase on the previous audit, and the number of recommendations that are now ongoing has increased from 97 in 1994 to 147 in 1998 which is almost a 50 % increase.

However included in some of the recommendations which have not been progressed, are a number of

key recommendations that were outlined as priority areas at the last review. Work remains to be commenced on the preparation of a detailed management programme, completion of the precinct policies for the landscape plan, and the preparation of a SPP policy statement.

The advancement of these recommendations is still seen as a priority.



Overall the findings reflect community concern and commitment on a broad scale towards protection of the Swan and Canning Rivers. Once again the review has highlighted the significant contribution by local government. In the

forthcoming period the role of the Swan River Trust will be to further this commitment by integrating and coordinating the work already commenced to achieve the strategy outcomes.



4. 1994 Key Recommendations

The 1994 strategy review identified the following three strategy recommendations as having the highest priority for implementation and allocation of resources:

- (i) **Preparation of a detailed management programme for the river environment (123). This should include development of statutory and non-statutory policies and agreements between the SRT and other agencies to manage particular areas of the river environment.**

The detailed management programme has not been progressed. The Trust has developed a policy manual, which sets out guidelines for assessing statutory applications pursuant to Part 5 of the Swan River Trust Act 1998. These are in the process of being updated and reviewed. To date there are no formal agreements with other agencies to manage areas of the river environment. The Comprehensive Management Plan required as part of the Swan and Canning Rivers EPP is expected to address this.

- (ii) **Preparation of an overall landscape plan in order to coordinate landscape enhancement proposals (14). This should include the formation of local government advisory groups, responsible for ensuring consistency of landscape plans according to the management areas.**
- (iii) **Preparation an SPP policy statement guiding development on and adjacent to river foreshore Parks and Recreation Reservations (26). This will provide local government authorities with a basis for a consistent approach to development control.**

The policy should include:

- **Appropriate land use controls.**
- **Building design and landscaping guidelines.**
- **Traffic, vehicular parking and parking considerations.**

- **Flood management and protection.**
- **Pollution and erosion control.**

The policy should set out clearly:

- **Development application and consultation procedures.**
- **Criteria to be used in assessment of applications.**

Due to funding constraints, the preparation of the landscape plan has been progressed in two stages. Stage one is complete with the preparation of the "Landscape Description". Stage two, the development of precinct policies leading to the development of an SPP, is due to commence in 1998. Funding is to be provided by both the Swan River Trust and Ministry for Planning.

The Swan River Trust highlighted a further three recommendations as having the next highest priority for allocating resources:

- (i) **Undertake accurate boundary definition of all existing Parks and Recreation Reservations over the river foreshore and amend the MRS accordingly (3).**

Rationalisation of Parks and Recreation Reservation boundaries is undertaken both through the subdivision and MRS Amendment process. Parks and Recreation Reservations are now on a digital data base direct form the MFP, which are updated periodically. SRT Management Area has also been recorded and digitised, and is being reviewed currently by the Trust.

- (ii) **Preparation of a set of model town planning scheme provisions relating to use and development within the river environment for incorporation within local government authority town planning schemes (27).**

This recommendation has not been progressed.



- (iii) Extend the Swan River Trust Management Area to include any extension to the regional Parks and Recreation Reservation adjacent to the river to enable the SRT to assist with the management and preparation of plans for land vested in other authorities (129).**

A review of the Swan River Trust Management Area is currently being undertaken in 1998. A subsequent review is proposed to extend the Management Area to river environments requiring further protection.

The 1994 review also made three general recommendations in relation to ongoing implementation and review of the strategy itself.

- (i) Develop implementation plans for all area recommendations within each local government authority.**

Implementation plans for all area recommendations has not been undertaken.

- (ii) Prioritise and prepare an implementation plan for all other recommendations listed in Section 4.**

Not progressed

- (iii) Continue to review and audit recommendations contained within the Strategy. A more comprehensive review should be undertaken in five years.**

The 1998 review has been undertaken to meet this objective, with a more comprehensive review is planned in two years.



5. References

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City of South Perth (1993) *Mount Henry Peninsula Management Plan*

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5.1 Relevant Acts

Aboriginal Heritage Act 1972

*Conservation and Land Management Act 1984
and Regulations*

Environmental Protection Act 1986

*Environmental Protection (Swan and Canning
Rivers) Policy Approval Order 1998*

Land Act 1993

Land Administration Act 1987

Marine Act 1982 – Navigable Waters Regulations

Native Title Act 1993

Swan River Trust Act 1988 and Regulations



Appendix 1: Management Plans

Armadale

- Upper Canning Southern Wungong Catchment Management Plan 1999

Bassendean

- Ashfield Flats 1988
- Ashfield Parade Bassendean Foreshore 1991
- Bindaring / Pickering Park

Bayswater

- Bayswater Main Drain 1994 (C/M)
- Riverside Gardens 1995 (East)
- Riverside Gardens 1991 (West) Landscape Masterplan
- Riverside Gardens 1991 (West) Dredging and Landfill
- Beigup Wetland Reserve 1994 (Draft 1994 - 1999)
- Bayswater Foreshore Area 1989 (Concept Plan)
- Maylands Foreshore Reserve 1989
- Riverside Gardens Bayswater 1990 (Environmental)
- Public Environmental Review 1991

Belmont

- Belmont Foreshore Environmental 1995
- Belmont Foreshore Rehabilitation Plan 1998

CALM

- Swan Estuary Marine Park & Adj Nature Reserves (Analysis of Pub. Subm)
- Swan Estuary Marine Park & Adjacent Nature Reserve 1998

Canning

- Canning River Regional Park 1997 (1997-2007)
- Canning River Regional Park 1997 (1997)
- Bannister Creek Reserve 1997

- City of Canning Foreshore Reserves 1997
- Upper Canning Southern Wungong Catchment Management Plan 1999
- Lower Canning River 1995
- Yagan Wetland Reserve 1996

Claremont

- Freshwater Bay 1999
- Freshwater Bay 1994 (Draft)

East Fremantle

- East Fremantle Foreshore Landscape Study 1993

Gosnells

- City of Gosnells 1998
- Hester Park 1991
- John Oakey Davis 1998 (Draft)

Melville

- Alfred Cove Foreshore Management Plan (1988) now incorporated into Swan Estuary Marine Park Plan
- City of Melville Foreshore Restoration Strategy 1997
- Point Walter Bushland 1994
- Blackwall Reach Reserve 1986

Ministry for Planning

- The Vlamingh Parklands 1997

Mosman Park

- Rocky Bay to Point Roe Report No. 17/1994
- Mosman Waters Foreshore Management Plan (1998)

Nedlands

- Birdwood Parade Reserve
 - Point Resolution
-



North Fremantle

- North Fremantle Foreshore 1993
- North Fremantle Foreshore 1997 (Up-Date)

Peppermint Grove

- Peppermint Grove Foreshore 1996

Perth Central

- Perth Foreshore Study 1988 (Final Report & Recommendations)
- Perth Foreshore Study 1988 (Draft Final Report)

South Perth

- Clontarf Foreshore 1993

- Western Foreshore 1993
- Salter Point Foreshore Reserve 1994
- Waterford Foreshore Reserve 1994
- Mt Henry Peninsula 1993
- South Perth Foreshore 1994 (Draft)

Subiaco

- Matilda Bay Reserve 1992 - 2002

Swan

- Guildford Grammar Foreshore 1991
 - Jane Brook Environmental 1995
 - Bells Rapids Park 1988
 - Midlands Revitalisation Charrette
-



Appendix 2: Committees

Local and state government agencies, developers and proponents often seek the advice and support of the Trust on a range of other issues. The Trust is often represented on many of the committees formed to address such issues. The following is a list of these committees that has a member of the Trust represented on:

- Additional Ferry Services Working Group
 - Bayswater Integrated Catchment Management Committee
 - City of South Perth Friends of Sir James Mitchell Park Implementation Group
 - Cleanup Australia Committee
 - Discharge of Sewage from Vessels into the Marine Environment Committee
 - Ellen Brook Integrated Catchment Group (EBICG)
 - Foreshore Management Advisory Committee
 - Helena Catchment Group
 - Keep Australia Beautiful Skyworks Committee
 - Mercy/Maylands Regional Recreational Path Reference Group
 - Peppermint Grove Foreshore Advisory Committee
 - Rottnest Island Marine Waste Reception Facility Steering Committee
 - Swan Canning Cleanup Program Taskforce
 - South Metropolitan College of TAFE Marine Waste Management Plan Steering Committee
 - Swan Canning Cleanup Program Senior Officer's Group
 - Swan Canning Industry Survey Working Group
 - Swan Canning Rivers Precinct Policy Plan Steering Committee
 - Swan Canning Rivers Environmental Protection Policy Steering Committee
 - Swan Catchment Council formerly the Swan Working Group
 - Wastewater Re-Use Committee
 - 2000 World Triathlon Championships Committee
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Appendix 3: List Of Abbreviations

ACC	Armadale City Council	ILDA	Industrial Lands Development Authority
ACROD	Australian Council for the Rehabilitation of the Disabled	JAMBA	Japan Australia Migratory Bird Agreement
AGWA	Department of Agriculture	LANDCORP	Western Australian Development Corporation
ARA	Australian Regular Army	LCRMP	Lower Canning River Management Plan
ARAWA	Amateur Rowing Association of Western Australia	LGA	Local Government Authority/Authorities
Bays. CC	Bayswater City Council	MCC	Melville City Council
BCC	Belmont City Council	MFP	Ministry for Planning
BFB	Bush Fires Board	MPC	Ministry of Premier and Cabinet
BTC	Bassendean Town Council	MPTC	Mosman Park Town Council
CALM	Conservation and Land Management	MRS	Metropolitan Region Scheme
CAMBA	China Australia Migratory Bird Agreement	MRWA	Main Roads WA
CCC	Canning City Council	MSC	Mundaring Shire Council
CCWA	Chemistry Centre for Western Australia (previously Government Chemical Laboratories)	MSR	Ministry of Sport and Recreation
CTC	Claremont Town Council	NCC	Nedlands City Council
DEP	Department of Environmental Protection	NPNCA	National Parks Nature Conservation Authority
DM	Department of Mines	NSC	National Safety Council
DOA	Department of Aviation	PCC	Perth City Council
DOLA	Department of Land Administration	PGSC	Peppermint Grove Shire Council
DOSHWA	Department of Occupational, Safety, Health of W.A.	PZG	Perth Zoological Gardens
DOT	Department of Transport	SCC	Subiaco City Council
EFTC	East Fremantle Town Council	SCCP	Swan-Canning Cleanup Program
EPA	Environmental Protection Authority	SES	State Emergency Service
FCC	Fremantle City Council	SPCC	South Perth City Council
FD	Fisheries Department	SRMP	Swan River Management Programme
GCC	Gosnells City Council	SRMS	Swan River Management Strategy
HCWA	Heritage Committee of Western Australia	SRT	Swan River Trust
HD	Health Department	SSC	Swan Shire Council
		STCC	Stirling City Council
		TPS	Town Planning Scheme
		TS	Tree Society
		UWA	University of Western Australia



WAFB Western Australian Fire Board
WAM Western Australia Museum
WAPC Western Australian Planning
Commission
WAPD Western Australian Police
Department
WARC W.A. Rowing Club
WATC Western Australian Tourism
Commission

WATEAS Western Australian Transport
Emergency Assistance Scheme
WAWS Western Australian Wildflower
Society
WC Water Corporation
WP Western Power
WRC Water and Rivers Commission



