



URBAN DRAINAGE SUMMIT: Shifting towards a water sensitive city

WORKSHOP 3 — INTEGRATED LAND AND WATER PLANNING

Perth Convention and Exhibition centre

Tuesday 9 October 2007

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Department of Water
Government of Western Australia



WESTERN AUSTRALIAN
LOCAL GOVERNMENT ASSOCIATION



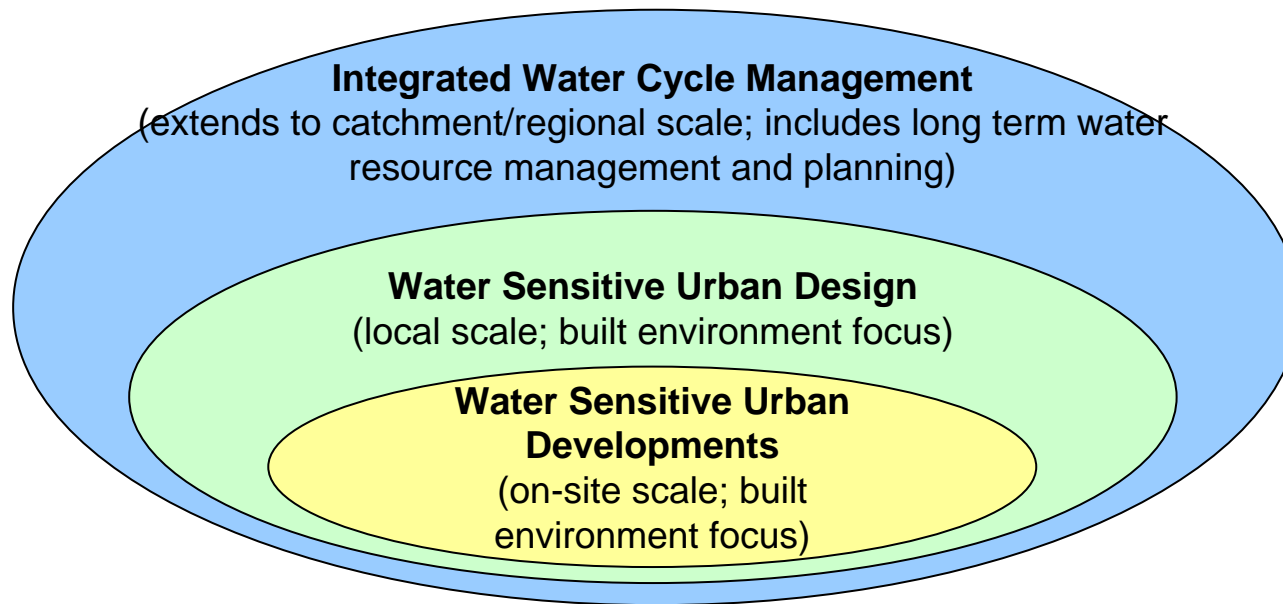
Australian Government



Department for Planning and Infrastructure
Government of Western Australia



Shifting towards a Water Sensitive City



- State Water Strategy 2003
- Government Response to the Irrigation Review 2005
- Blueprint for Water Reform in Western Australia 2006
- State Water Plan 2007
- Environment and Natural Resources State Planning Policy No. 2
- **Water Resources State Planning Policy 2.9**
- PDWS SPP 2.7
- Swan Canning Rivers SPP 2.10
- Liveable Neighbourhoods Ed 4

The Planning Continuum

STATE GOVERNMENT PLANNING

STATE PLANNING STRATEGY

REGIONAL STRATEGY, REGION SCHEME OR STRUCTURE PLAN

DISTRICT STRUCTURE PLAN, LOCAL PLANNING STRATEGY OR REGION SCHEME AMENDMENT

LOCAL PLANNING SCHEME AMENDMENT OR LOCAL STRUCTURE PLAN

SUBDIVISION

LOCAL GOVERNMENT PLANNING APPROVAL

LOCAL GOVERNMENT PLANNING

INTEGRATED WATER CYCLE MANAGEMENT: catchments, regional scale issues, long term water resource management and planning

WATER SENSITIVE URBAN DESIGN: local scale responses, built environment focus

WATER SENSITIVE URBAN DEVELOPMENT: Development scale, built environment focus

Integrating Land and Water Planning



- **Urban Water Management Framework for the Swan Coastal Plain** - being developed
- Better management and use of urban water resources
- Appropriate level of consideration given to the water cycle at each stage of the planning system
- Identifies various actions and investigations required, as well as the agencies responsible for provision of particular water resource information
- New greenfield and urban renewal projects
- Proposed residential, commercial, industrial and rural residential uses and development
- Consistent with State Planning Policy 2.9: Water Resources (2006) and Liveable Neighbourhoods Ed 4.

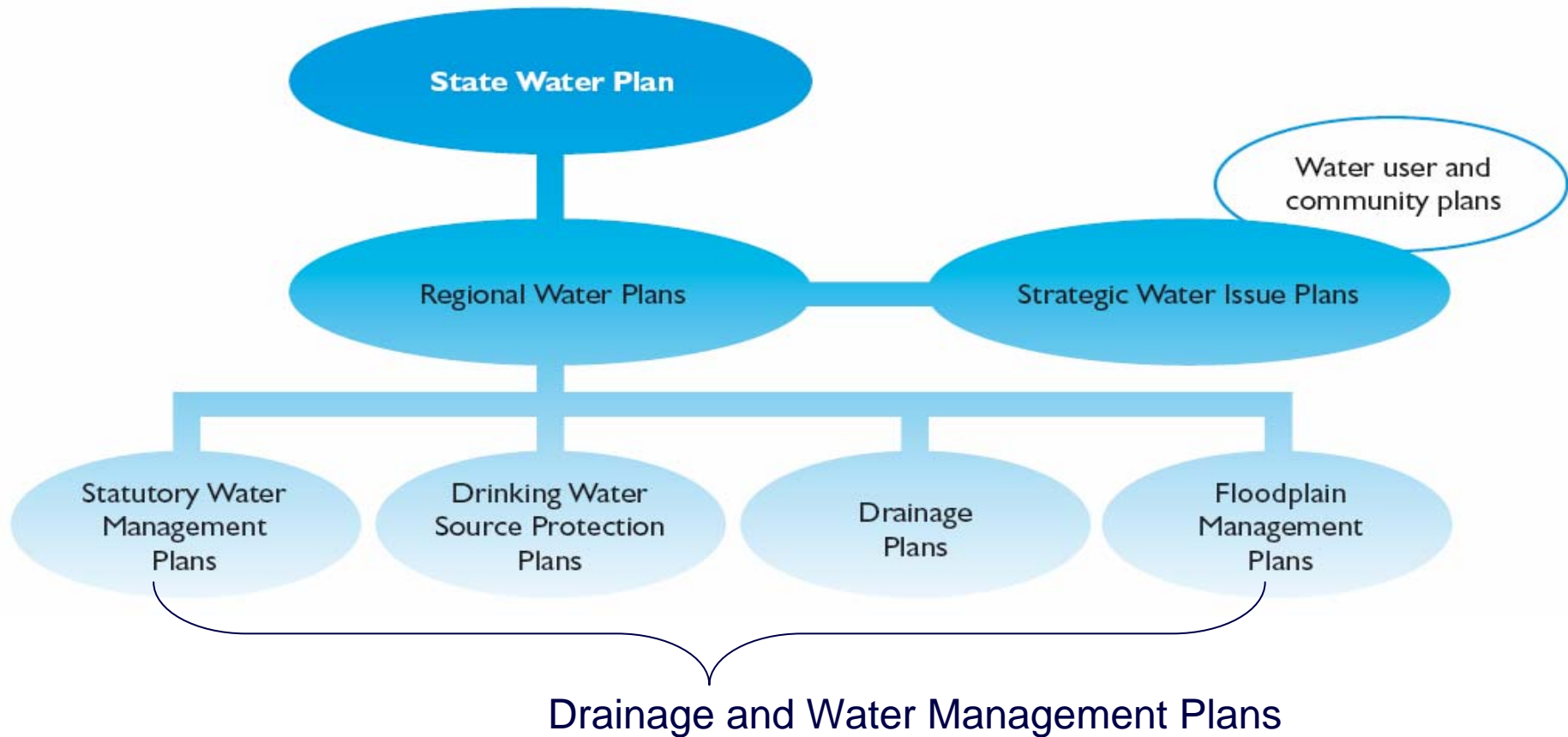


Implementation strategy



Land Planning tool	Water Management information	Likely responsibility for water actions
Regional Strategy, Region Scheme or Regional Structure Plan	Regional Water Management Strategy , incorporating a strategic drainage plan – summarised in chapter of planning document and attached as technical appendix	State Government
District Structure Plan, Local Planning Strategy, Region Scheme Amendment	District Water Management Strategy - summarised in chapter of planning document and attached as technical appendix	State/ Local Government, depending on initiator of planning action
Local Planning Scheme Amendment, Local Structure Plan	Local Water Management Strategy - summarised in chapter of planning document and attached as technical appendix	Land owner/ LG, depending on initiator of planning action
Subdivision Application	Urban Water Management Plan (UWMP) – accompanies application	Land owner
Clearance of Conditions and construction of Subdivision	Engineering drawings and specifications – incorporates requirements of UWMP Building plan – incorporates requirements of UWMP, scheme provisions or developer covenant	Land owner Lot owner
Local Government Planning Approval	Development Application (where required) and Building licence to comply with Water Corporation Waterwise program and Liveable Neighbourhoods Edition 4	Developer

The Water Planning Framework





Urban Water Management Framework for the Swan Coastal Plain

STATE GOVERNMENT PLANNING

DoW

DPI & WAPC

STATE WATER PLAN

STATE PLANNING STRATEGY

REGIONAL WATER PLANS

REGIONAL STRATEGY, REGION SCHEME OR REGIONAL STRUCTURE PLAN

DoW water plans
Statutory Water Management
Drainage
Drinking Water Source Protection
Floodplain Management

*Supported by
Regional Water Management Strategy*

DRAINAGE & WATER MANAGEMENT PLAN

DISTRICT STRUCTURE PLAN, LOCAL PLANNING STRATEGY OR REGION SCHEME AMENDMENT

*Supported by
District Water Management Strategy*

INTEGRATED WATER CYCLE MANAGEMENT: catchments, regional scale issues, long term water resource management and planning.

LOCAL PLANNING SCHEME AMENDMENT OR LOCAL STRUCTURE PLAN

*Supported by
Local Water Management Strategy*

WATER SENSITIVE URBAN DESIGN: local scale responses, built environment focus

SUBDIVISION

*Supported by
Urban Water Management Plan*

WATER SENSITIVE URBAN DEVELOPMENT: Development scale, built environment focus

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Applying the Framework



- Principles for application

- Informed decision making
- Relevance
- Risk management

- But

- Land already zoned
- Lack of catchment information
- Lack of resources

- Need for a flexible approach to implementation



South Beach, South Fremantle, Stockland