

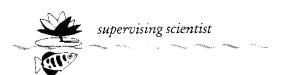
Coastal wetlands:

The information and monitoring challenge

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July 1998



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Paper presented at a workshop on Wetlands and Estuaries

during the

Coast-to-Coast Conference

Perth, WA

29 April-1 May 1998

Wetlands and Estuaries

Session I (1.30pm - 3.00pm) Grand River Ballroom East

Workshop Leader: Max Finlayson Workshop Facilitator: Bruce Hamilton

Mr Rod Applegate Department of Lands, Planning & Environment

Ms Tania Ashworth
Mr Nigel Bancroft
Mr Jon Bettink
Department of Environment
Busselton Shire Council
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Ms Leanne Bowden Department of Environment
Mr John De Campo Department of Environment

Mr Matthew Dhulumburrk Ramingining Homelands Resource Centre

Ms Sonia Edwards Department of Environment
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Mr Mark Flanigan Office of the Minister for Environment

Ms Kath Gosden Department of Natural Resources & Environment

Ms Erica Griffiths Warringah Council

Ms Wendy Haberecht Department of Natural Resources & Environment

Ms Rebecca Hall Environment Australia

Dr David Heggie Australian Geological Survey Organisation

Miss Sharon Hinton Department of Natural Resources & Environment

Mrs Robin House South Coast Management Group

Mr Grant Hull Department of Natural Resources & Environment

Mr David Kanaley Byron Shire Council

Mr Sean Kenwery Regional Estate Centre - WA

Ms Jane Lofthouse Tweed Shire Council

Ms Sue Longmore Department of Natural Resources & Environment

Ms Karen Majer Waters & Rivers Commission
Mr Duncan Malcolm Gippsland Coastal Board
Cr Joy Matthews MacLean Shire Council
Mr Paul May Planning Initiatives
Mr Brian McRae Warringah Council
Ms Gail Sellers Gladstone City Council

Mr Russ Smith South West (WA) Regional Local Government

Association

Mr Michael Storrs Northern Land Council

Mr Gordon Sykes City of Marion

Ms Margaret Tailby Environment Australia
Ms Elizabeth Thorburn Environment Australia

Ms Nicei Tsernjavski South West Local Government Association

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- Truisms about coastal wetlands
- Loss and degradation of coastal wetlands
- Values and benefits of coastal wetlands
- Sectoral management of coastal wetlands
- Integrated management of coastal wetlands

Truisms

- Many wetlands are an integral part of the coastal zone and associated catchments
- Wetlands provide many values and benefits to people
- Wetlands in the coastal zone have been and continue to be degraded and destroyed
- Wetland management is plagued by sectoral divides and poor communication

Loss and Degradation

- National/international value (ESD, Ramsar/Biodiversity Conventions) but local loss
- Rates of areal loss poorly known, but possibly 50-75%
- Loss due to hydrological/physical changes, pollution, invasive species
- Detailed inventories lacking, hard to access or not updated
- Information on values and benefits lacking

Values and benefits tangible and non-tangible

- Products fish & invertebrates, reeds, trees, water
- Functions drainage basins, flood amelioration, sediment & nutrient sinks, groundwater recharge & discharge
- Attributes aesthetic, cultural, biodiversity, geomorphic

Sectoral management

- Multi-agency communication
- Local community involvement
- Sectoral arrogance drainage, pollution, over harvesting
- Sectoral ignorance lack of awareness, cooperation or communication, or absence of information

Integrated management

- including relevant agencies and local communities
- agreement on objectives based on recognised values & benefits
- wise use of resources
- supported by information and information systems
- underpinned by effective monitoring and reaction systems

Integrated Management

- Requires information and monitoring within an agreed management structure
- Information values & benefits, management interests & processes, threats and solutions
- Monitoring values & benefits, management interests & processes, threats and solutions

Information requirements

- What information is available and where is it?
- What further information is required?
- How can information be stored and accessed?
- How can new information be obtained?

Monitoring

- What monitoring is currently being undertaken at national, state and local levels?
- How effective is current monitoring and should it be continued?
- What further monitoring is required at national, state and local levels?

FIGURE 1

FRAMEWORK FOR THE ALLIGATOR RIVERS REGION COASTAL MONITORING NODE (ARR-CMN)

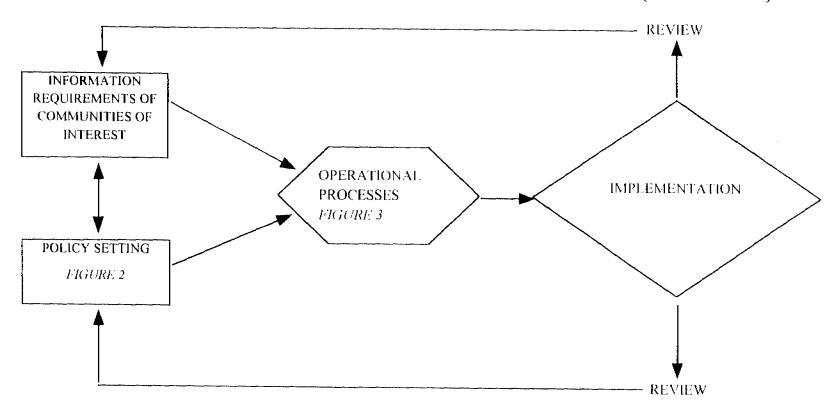


FIGURE 2
POLICY SETTING FOR THE
ALLIGATOR RIVERS REGION COASTAL MONITORING NODE

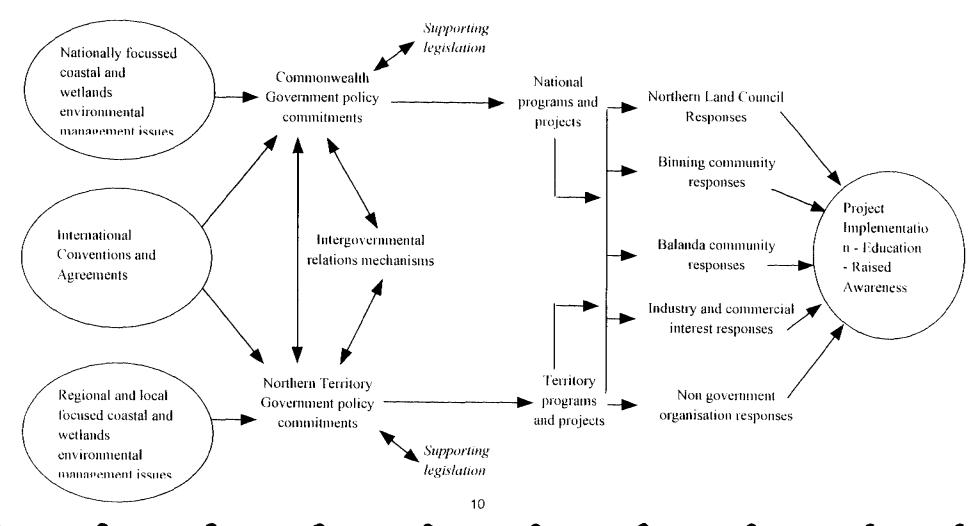


FIGURE 3
OPERATIONAL SYSTEMS FOR THE
ALLIGATOR RIVERS REGIONAL COASTAL MONITORING NODE (ARR-CMN)

