

PLANNING AND CONSULTATION PROCESSES

NSW WESTERN REGIONAL ASSESSMENTS

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Resource and Conservation
Assessment Council



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PLANNING AND CONSULTATION PROCESSES

WESTERN REGION

National Parks Association of NSW
and
the World Wide Fund for Nature
Western Conservation Project

A project undertaken for
the Resource and Conservation Assessment Council
NSW Western Regional Assessments
project number WRA/03

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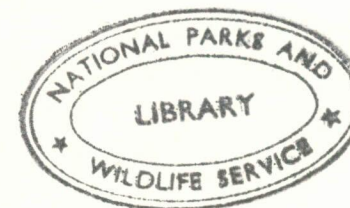
Prepared by Vivienne Clare for the National Parks Association of NSW and the World Wide Fund for Nature Western Conservation Project

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PROJECT SUMMARY

This report describes a project undertaken for the Resource and Conservation Assessment Council as part of the regional assessments of western New South Wales. The Resource and Conservation Assessment Council advises the State Government on broad-based land use planning and allocation issues. An essential process for the western regional assessments is to identify gaps in data information and the best ways in which to proceed with data gathering and evaluation.

Project objective/s

The World Wide Fund for Nature and the National Parks Association through their joint Western Conservation Project, commissioned a study to investigate and document the various planning and consultation processes occurring in central and western NSW.

The aim of the study was to develop a comprehensive overview of these processes with a view to:

1. clearly understanding the amount of data collection, planning and consultation occurring in western NSW and
2. aiding the effective prioritisation of funding and future tasks.

Methods

The line drawn for the project falls roughly west of the great Dividing Range to encompass 'western NSW'. This includes both the Central and Western Divisions and 76 local government areas.

Catchment Management Units were used in the first instance for the spatial management of data. This was due to the predominance of catchment based plans lead by Catchment Management Committees and the Department of Land and Water Conservation in this study.

The study investigated planning and consultation processes with a natural resource / ecological sustainability component or relevance and included plans and processes that are currently being completed, implemented or are about to commence.

Data was collected from a variety of sources including knowledgeable individuals, program and regional co-ordinators, annual reports, NHT funding submissions, newsletters and the internet.

Findings and issues

The study found that there is an enormous amount of planning being undertaken in western NSW. Lack of strategic vision, communication, integration and monitoring have resulted in a plethora of plans and processes, many of which overlap and duplicate the work of others. The report reinforces the need for a 'clear and integrated vision' for the planning and management of all natural resource issues in the west.

The total number of strategies, plans and reviews included in the database is 344 with 193 consultative committees being identified. The plans studied tend to focus on a variety of natural resources issues including water related issues, integrated natural resource planning, biodiversity and native vegetation management.

Summary of Recommendations

The recommendations presented in Chapter 6 of the report are summarised below:

Recommendations regarding the database:

1. Further refine, develop and maintain the database
2. Undertake mapping and further analysis of the database
- 3(A) Develop a complementary database for *natural resource programs*, particularly new and innovative programs that focus on sustainability and best practice.
- 3(B) Develop a complementary data base of *research and mapping projects*, particularly those funded under the NHT program

Recommendations re natural resource planning and consultation:

4. Collect, collate and assess existing datasets
5. Develop a comprehensive data set for NSW

6. Develop a vision for natural resource planning and management in NSW, supported by comprehensive policies, guidelines and information packages
7. Develop a predetermined hierarchy of strategies and action plans on a Statewide, regional, catchment and sub-catchment basis that accounts for regional differences but clarifies linkages and reporting arrangements.
8. Review the role, function and geographic boundaries of CMCs and other planning committees
9. Link the development of plans and policies to the performance indicators agreed in the NHT Partnership Agreement.

1. PROJECT AIMS

The World Wide Fund for Nature and the National Parks Association through their joint Western Conservation Project, commissioned a study to investigate and document the various planning and consultation processes occurring in central and western NSW.

The aim of the study was to develop a comprehensive overview of these processes with a view to:

- ✓ clearly understanding the amount of data collection, planning and consultation occurring in western NSW and
- ✓ effectively prioritising funding and future tasks.

The study was commenced in September 1998 and progressed on a part-time basis until January 1999.

2. OUTPUTS

The study has resulted in this report and an electronic database on Microsoft Access. The electronic database contains two files, one which lists strategies, plans and reviews and one which lists consultation committees, advisory boards and reference groups.

3. METHODS

3.1 AREA COVERED

The line drawn for the project falls roughly west of the great Dividing Range to encompass 'western NSW'. This includes both the Central and Western Divisions and 76 local government areas.

The local government areas, bioregions and Catchment Management Units covered by the project are illustrated in Maps 1, 2 and 3 respectively. These maps are (adapted) from the NSW State of the Environment Report, 1997.

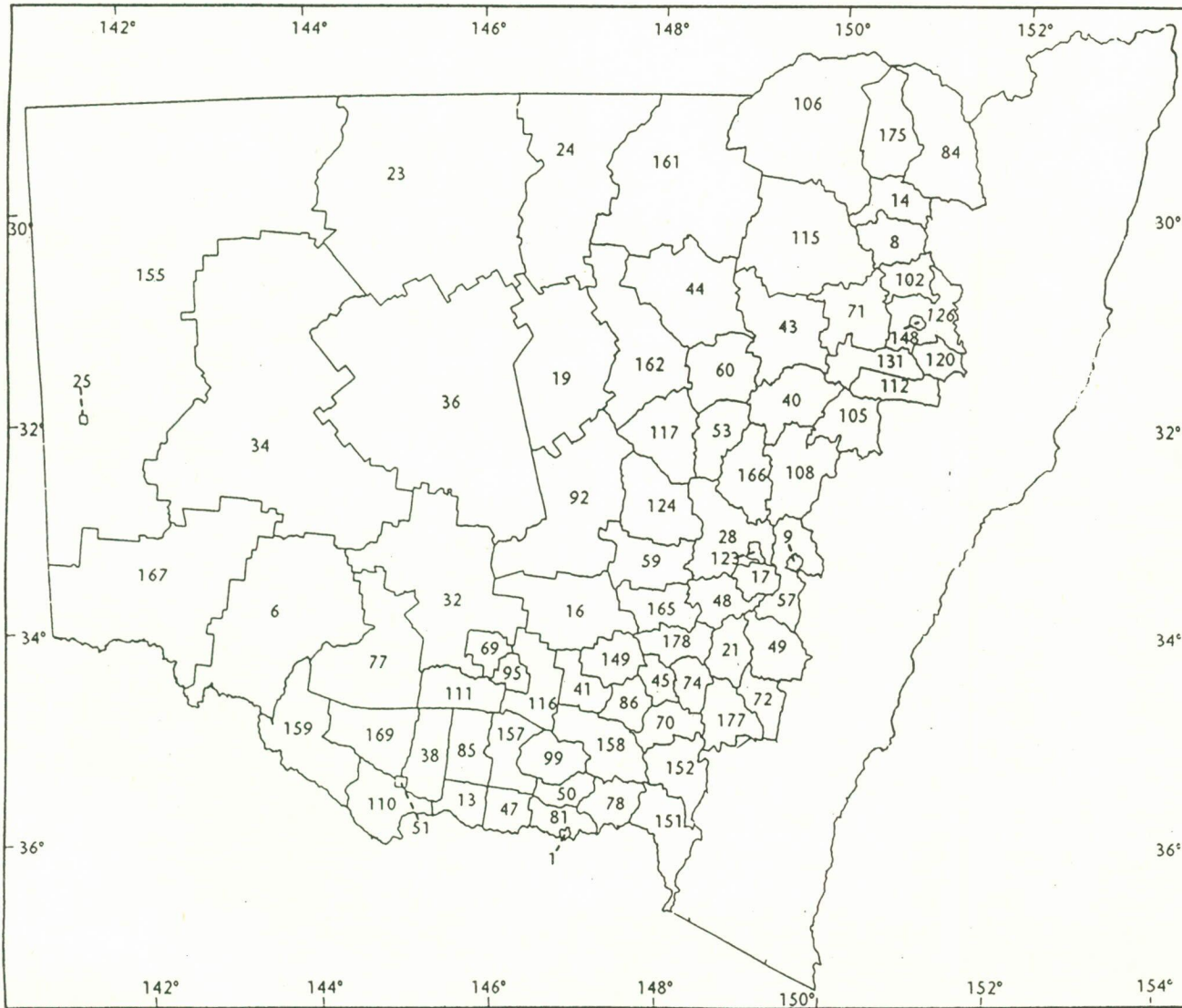
Map 1 – Local government areas

Map 2 – Catchment Management Units

Map 3 – IBRA regions

Because of the predominance of plans lead by Catchment Management Committees and the Department of Land and Water Conservation, Catchment Management Units were used in the first instance for the spatial management of data.

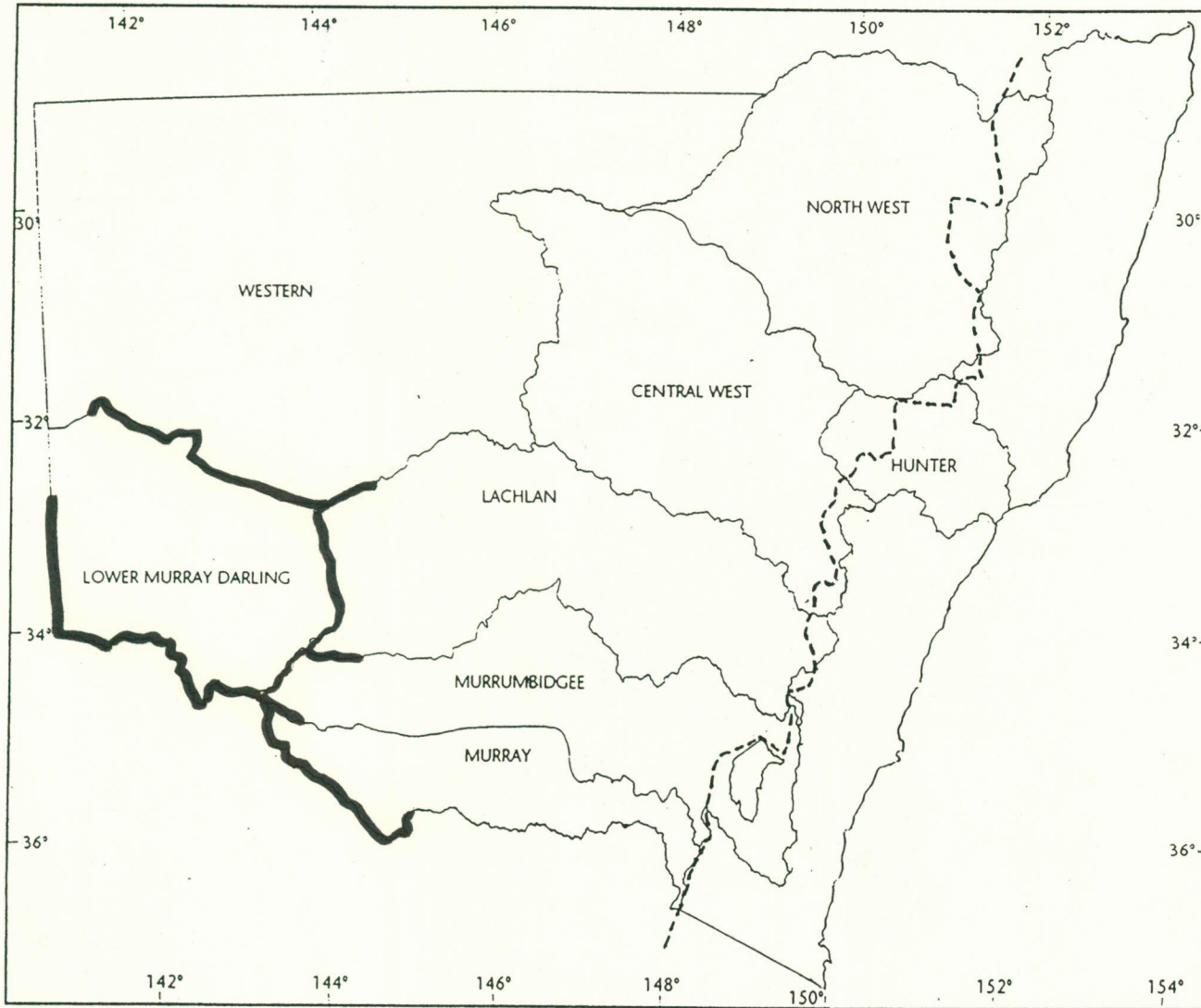
MAP 1 – LOCAL GOVERNMENT AREAS



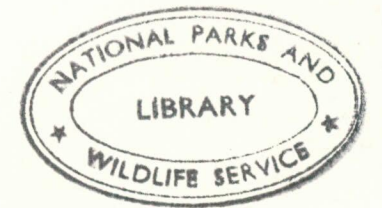
- | | |
|--------------------|-------------------------|
| 6 Balranald | 83 Inverell |
| 8 Barraba | 85 Jerilderie |
| 9 Bathurst | 86 Junee |
| 13 Berrigan | 92 Lachlan |
| 14 Bingara | 95 Leeton |
| 16 Bland | 99 Lockhart |
| 17 Blatney | 102 Manilla |
| 19 Bogan | 105 Merriwa |
| 21 Boorowa | 106 Moree Plains |
| 23 Bourke | 108 Mudgee |
| 24 Brewarrina | 110 Murray |
| 25 Broken Hill | 111 Murrumbidgee |
| 32 Carrathool | 112 Murrundi |
| 34 Central Darling | 115 Narrabri |
| 36 Cobar | 116 Narrandera |
| 38 Conargo | 117 Narromine |
| 40 Coolah | 120 Nundle |
| 41 Coolamon | 123 Orange |
| 43 Coonabarabran | 124 Parkes |
| 44 Coonamble | 126 Parry |
| 45 Cootamundra | 131 Quirindi |
| 47 Corowa | 148 Tamworth |
| 48 Cowra | 149 Temora |
| 49 Crookwell | 151 Tumbarumba |
| 50 Culcairn | 152 Tumut |
| 51 Deniliquin | 155 Unincorporated area |
| 53 Dubbo | 157 Urana |
| 57 Evans | 158 Wagga Wagga |
| 59 Forbes | 159 Wakool |
| 60 Gilgandra | 161 Walgett |
| 69 Griffith | 162 Warren |
| 70 Gundagai | 165 Weddin |
| 71 Gunnedah | 166 Wellington |
| 72 Gunning | 167 Wentworth |
| 74 Harden | 169 Wendouran |
| 77 Hay | 175 Yallaroi |
| 78 Holbrook | 177 Yass |
| 81 Hume | 178 Young |

Source: LIC data 1994

MAP 2 – CATCHMENT MANAGEMENT UNITS

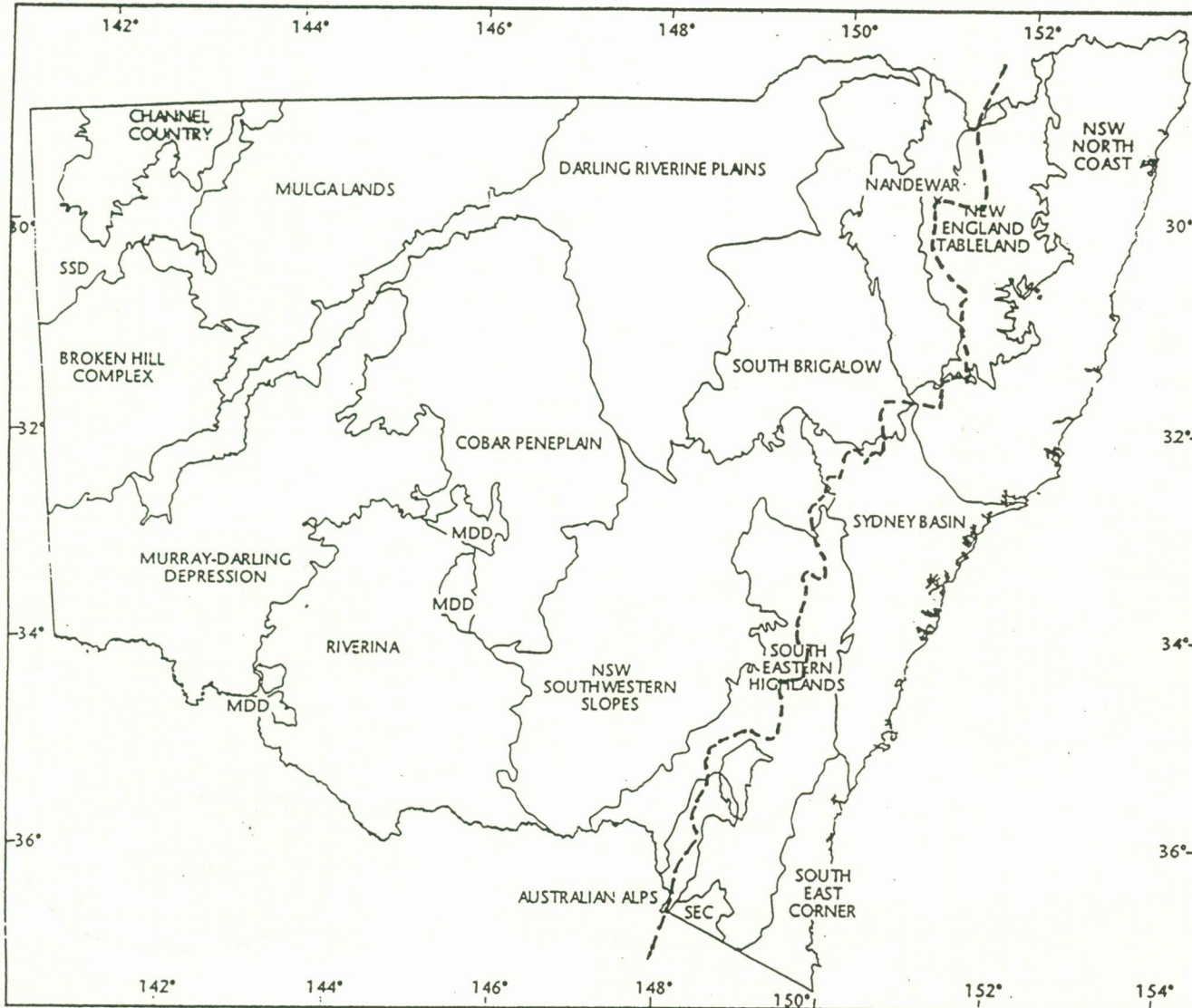


----- project boundary



Source: DLWC data 1995

MAP 3 – IBRA REGIONS



--- project boundary



MDD Murray-Darling Depression
SEC South East Corner
SSD Simpson-Strzelecki Dunefields

Source: ERIN data 1997

3.2 DATA INCLUDED

The study includes planning and consultation processes with a natural resource/ ecological sustainability component or relevance.

The resulting database includes plans and processes that:

- ✓ are currently being completed
- ✓ are actively being implemented and
- ✓ are about to commence.

The data that is included for each plan or process (where known) is listed in Figure 1.

The data base does not include:

- ✓ government policies and guidelines generally
- ✓ Local Environment Plans
- ✓ plans or processes lead by Department of Mineral Resources
- ✓ EPA regional environmental improvement plans
- ✓ regional development plans
- ✓ tourism development plans
- ✓ biocide plans
- ✓ interdepartmental committees.

FIGURE 1. DATA INCLUDED FOR EACH PLAN OR PROCESS

<p>WHAT</p> <ul style="list-style-type: none"> ✓ Name of planning/ consultation process ✓ Scope (statewide, regional, local) ✓ Products of the process <p>WHERE</p> <ul style="list-style-type: none"> ✓ Planning area ✓ Catchment Management Unit(s) ✓ Main Local Government Area(s) ✓ IBRA region(s) ✓ State electorate(s) ✓ Federal electorate(s) <p>WHY</p> <ul style="list-style-type: none"> ✓ Aims ✓ Authorising legislation (if applicable) <p>WHO</p> <ul style="list-style-type: none"> ✓ Responsible committee/ sub-committee/ task force ✓ Lead agency/ body ✓ Funding body ✓ Participating stakeholders (interest, not name) ✓ Chairperson ✓ Executive Officer ✓ Executive Officer Contact details <p>WHEN</p> <ul style="list-style-type: none"> ✓ Anticipated completion date for plan/ process (not including implementation) ✓ (Anticipated) progress at end Dec '98
--

3.3 SOURCES OF DATA

Data was collected from a variety of sources including:

- ✓ knowledgeable individuals
- ✓ program and regional coordinators in various agencies
- ✓ agency annual reports
- ✓ NHT funding submissions for 1997/98 for projects within the Murray-Darling Basin
- ✓ project and agency newsletters
- ✓ internet.

However, data collection was limited within the constraints of the project.

3.4 LIMITATIONS OF THE DATA AND DATABASE

As stated above, many of the plans and processes in the database are listed by name and geographic location only. Because of the difficulties in sourcing and verifying each plan and process, there are gaps. There may also be overlap, due to blurred boundaries and relationships. Every effort has been made to minimise duplication but plans often have more than one title – an official designation and several colloquial names.

Despite the earlier 'definitions' about which data to include, the actual cut-off was often difficult to decide. Distinguishing between plans, consultation processes and programs was not always that easy.

Similarly, deciding which committees, boards and reference groups actually reflected 'consultation processes' and which did not, was problematic. Consequently most boards and committees that were mentioned in agency reports have been included, although most have minimal detail. The regional vegetation committees, water committees and Park Advisory Committees are more complete.

Most plans have a 'committee' to direct their development. Where a plan has been included in the database the corresponding committee is not usually listed separately.

No data was collected on the amount of funding allocated to each plan or process. Consequently interpretations can be based on the number of plans and processes only. This therefore is not a true indication of need, priority or resourcing for a particular issue.

At this stage, the database files have been set up to recognise a single entry only in a particular field. Consequently when more than one entry is recorded in a field as with CMUs or IBRA regions, the database does not sort that information together with the single entry data.

4. FINDINGS

4.1 INTRODUCTION

The tables on the following pages sort the data in the following ways:

- ✓ by issues
- ✓ by lead agency
- ✓ by scope
- ✓ by CMU
- ✓ by IBRA region
- ✓ by progress.

There is also a brief description of funding arrangements for the plans and processes.

In summary, there is an enormous amount of planning being undertaken in the project area. The level of planning has obviously accelerated in recent years with almost twice as many plans in progress or proposed than complete.

More than one third plans in Central and Western NSW deal with water-related issues although there is a trend towards more integrated natural resource action planning. In the last financial year there was also an increase in funding to biodiversity and native vegetation management in line with new legislation and government policies.

The Department of Land and Water Conservation is the 'lead agency' for the majority of plans, processes and committees related to natural resource management.

Almost 70% of plans and 36% of committees in the database have a regional focus¹, with less than 25% of plans and 12% of committees focusing on the sub-regional or local level.

There are a greater number of plans in the North West, Murrumbidgee and Lachlan CMCs (53, 48 and 44 respectively) and less than half that number in the Western CMC. A significant number of plans include more than one Catchment Management Unit.

In terms of bioregions, more than a third of the plans cross more than one IBRA region. For those plans contained within one bioregion, the region with the most plans is the South Western Slopes with 45 plans, followed by the Riverina with 23 and the Darling Riverine Plains with 22. Bioregions with less than 7 plans wholly within their boundary, include Broken Hill Complex, Channel Country, Cobar Peneplain, Mulga Lands, Nandewar and Simpson Strzelecki Dunefields.

¹ Section 4.5 defines what is meant by *local*, *sub-regional*, *regional*, and *multi-regional*.

4.2 NUMBER OF PLANS AND PROCESSES

The total number of strategies, plans and reviews (collectively called 'plans') included in the database is 344. This includes a limited number of National and Statewide plans of relevance to Central and Western NSW.

The total number of consultative committees, planning committees, advisory boards and reference groups (collectively called 'committees') included in the database is 193. Again this includes a number of National and Statewide Committees of relevance to the project area.

4.3 PLANS, PROCESSES AND COMMITTEES BY ISSUE

Plans, processes and committees were broadly classified as follows:

Broad issue	Database Code	Description/ sub-issues	No. of plans in database	No. of ctees in database
Integrated natural resource management	INRM	Plans and processes which integrate number of issues.	63	13
Biodiversity	Bio	Habitat loss, threatened species, 'off-park' conservation, CRA reserve system.	33	13
Water	Wtr	Surface and groundwater quality and quantity, riverine corridors, wetlands, socio-economic issues and infrastructure.	126	33
Vegetation	Veg	Vegetation clearance, modification, protection and enhancement.	29	16
Soil	Soil	Soil fertility, erosion and salinity.	4	3
Pest plants and animals	PPA	Management of introduced species and management of native species with artificially increased range and abundance.	5	47
Atmosphere	At	Enhanced greenhouse effect and air quality.	1	0
Management of protected areas	MPA	Management of parks and reserves.	35	12
Management of town environments	MTE	Urban development, management of waste and pollution and management of town-based tourism and recreation.	2	2
Bushfire management	FR	Fuel and incident management.	0	2
Sustainable industry and agriculture	SIA	Sustainability and best practice in farming, forestry, mining, fisheries, tourism.	31	30
Regional development	RD	Regional sustainability and diversification.	7	11
Aboriginal affairs	AB	Aboriginal involvement, custodianship, cultural sites, employment.	5	2
Fisheries plans	Fish	Recovery or industry development plans	1	14
General	Gen	Issues not covered above	2	0
TOTAL			344	198

A more detailed description of the sub-issues included in within each broader category is provided in Appendix C.

4.4 PLANS, PROCESSES AND COMMITTEES BY LEAD AGENCY

Plans, processes and committees have been grouped under the State agency with legislative or policy responsibility for that issue or type of plan. Voluntary plans are not technically 'led' by an agency but by the

community. However where an agency has considerable input through technical advice, policy, administration or general support, the plans have been grouped under that agency. The tables do not include strategies, plans or committees led by the Commonwealth or Murray-Darling Basin Commission.

NSW Dpt of Land and Water Conservation (DLWC)

Type of plan, process or ctee	Purpose	Focus	Authorising legislation for statutory plans	No. in database
CMC Regional Strategy/ Plan	Coordinated resource management	Catchment	Catchment Management Act 1989	17
CMC Action Plan	Coordinated resource management	Catchment	Voluntary	20
Catchment Plan	Coordinated resource management	Catchment/ Sub-catchment	Voluntary	14
State/ Regional Water Management Strategy	Multi-catchment water resource management	Multi-catchment	Nil	5
Valley Water Management Plan	Water resource management and river regulation..	Catchment	Nil	5
Groundwater/Aquifer Mgt Plan	Sustainable use of groundwater	Defined aquifer	Nil	16
Water/ River Mgt Plan	Sustainable use of water	River system	Nil	6
Land and Water Mgt Plan	Responsible use of irrigation water and other actions to combat existing and projected environmental problems	Irrigation District	Irrigation Corporations Act 1994	24
Floodplain Mgt Plan	Mitigation of flood damage	Floodplains	Nil	10
Wetland Mgt Strategy	Protection and wise use of priority wetlands	Sub-catchment	Nil	17
Water quality plan or strategy	Improvement of water quality	Catchment	Nil	3
Algal/ Nutrient Mgt Plan or Ctee	Nutrient control	Catchment	Voluntary	11
Irrigation/ Water Supply Plan	Reliability of supply/ Sustainable use of water	Irrigation area	Voluntary	2
Salinity Mgt Plan	salinity control	Region	Voluntary	6
Regional Vegetation Mgt Plan	Protection, rehabilitation and sustainable use of native vegetation	Local government areas	Native Vegetation Conservation Act 1997	13
Grassland Mgt Plan	Management of native grasslands	Grasslands with local gvt area	Native Vegetation Conservation Act 1997	0

Scheme of operation for soil conservation, water conservation or erosion mitigation	Rehabilitation of areas critically affected by land degradation	Sub-catchment	S10, Soil Conservation Act 1938	4
Erosion and Sediment Control Plan	Prevention of export of soil or contaminated water from a site or into a water channel	Local	Clean Water Act	0
Sand and Gravel Extraction Plan	Erosion control and sustainable resource use	Defined length of river	Rivers and Foreshores Improvement Act	0
Plan of Management for Crown Lands	Effective management of Crown Land	Local	Division 6 - Crown Lands Act 1989	1
Landcare Plan	Management of local natural resource issues of concern to the community	Local or regional	Voluntary	14
Rivercare Plan	Management of local water issues of concern to the community	Local or regional	Voluntary	2
Property Plan	Sustainable management	Individual property	Voluntary	0
Biodiversity/ Nature Conservation Plan			Voluntary	3
Business Plan			Voluntary	3
Rehabilitation Plan			Voluntary	1
Resource Mgt Plan			Voluntary	5
'Woody weeds' Plan			Voluntary	1
Miscellaneous Plans				10
SCMCC and sub-ctees and Catchment Management Committee	Coordination and sustainable use and management of the land, water, vegetation and other natural resources on a catchment basis so as to balance resource use and conservation	Catchment	Catchment Management Act 1989	12
State and Regional Vegetation Ctee	Production of regional vegetation management plans	Local government areas	Native Vegetation Conservation Act 1997	15
River Mgt Ctees – reg and unreg	Development of a mgt plan and interim management arrangements	Specified river	Cabinet decision	9
Groundwater Mgt Ctee	Development of a mgt plan and interim management arrangements	Specified aquifer	Cabinet decision	6
Water Mgt Ctees/ Council	Development of a mgt plan and interim management arrangements	River system	Cabinet decision	5
Riverine Corridor Ctee	Development of a mgt plan and interim management arrangements	Local stretch of river	Voluntary	0
West 2000 Committee	Economically viable and sustainable industry and communities	Western Division	Nil	11
Land Board	To resolve disputes related to Crown Land		Crown Lands Act	1

NSW Dpt of Urban Affairs and Planning (DUAP)

Type of plan, process or ctee	Purpose	Focus	Authorising legislation for statutory plans	No. in database
State Environmental Planning Policies	To guide land use decision-making related to of State importance		Environmental Planning and Assessment Act 1979	0
Regional Environmental Plan (REP)	To guide planning in relation to matters of importance to a specific region. Usually preceded by a regional environmental study.		Environmental Planning and Assessment Act 1979	3

NSW National Parks and Wildlife Service (NPWS)

Type of plan, process or ctee	Purpose	Focus	Authorising legislation for statutory plans	No. in database
Park or Reserve Management Plan	Protection, preservation and conservation of park values	Park, reserve or SRA	National Parks and Wildlife Act 1974 Wilderness Act 1987	31
Species or Community Recovery Plan	Recovery of rare and threatened plant and animal species	Critical habitat	Threatened Species Conservation Act 1995	23
Threat Abatement Plan	Reduction of threats to biodiversity		Threatened Species Conservation Act 1995	0
Biodiversity Plan or Assessment	Maintenance of biodiversity			6
Wetlands Plan	Protection of wetland values			1
District/ Park Advisory Ctee	Protection, preservation and conservation of park values	Park District	National Parks and Wildlife Act 1974 Wilderness Act 1987	12
Species or Community Advisory Ctee	Recovery of rare and threatened plant and animal species	Critical habitat	Threatened Species Conservation Act 1995	9

Environment Protection Authority (EPA)

Type of plan, process or ctee	Purpose	Focus	Authorising legislation for statutory plans	No. in database
Regional Environmental Improvement Plan	Principally an internal planning document prepared by each EPA region outlining regional priorities for environmental protection. Issues include water quality and quantity, air quality, waste management, contaminated sites, noise.	EPA region		0
Waste Mgt plans and ctee	Efficient and sustainable waste mgt			3
Advisory Ctee				1

NSW State Forests

Type of plan, process or ctee	Purpose	Focus	Authorising legislation for statutory plans	No. in database
Comprehensive Regional Assessment	Sustainable resource use	Region	Federal/ State Agreement	0
Forestry Management plan	Sustainable resource use	Forestry Management Area	Forestry Act 1916	20
Harvest Plan	Reduction of hazards and impacts.	Single logging compartment	Harvest Guarantee Act	0

NSW Fisheries

Type of plan, process or ctee	Purpose	Focus	Authorising legislation for statutory plans	No. in database
Fish Habitat Protection Plan	Protection of any habitat critical to the survival of a species or required to maintain 'harvestable' populations.	Critical habitat	Part 7 Fisheries Management Act, 1994	0
Aquaculture Industry Development Plan	Guide development and management of aquaculture industry	State, regional	Part 6 Fisheries Management Act, 1994	0
Fish Species Recovery Plan	Protection of fish species	Critical habitat	Fisheries Management Act, 1994	1

Dpt of State and Regional Development

Type of plan or process	Purpose	Focus	Authorising legislation for statutory plans	No. in database
Regional Development Strategy	Economic development of the region based on existing natural resources and other assets	Region	Voluntary	4
Investment/ Business of Industry Development Plan	Economic development of the region	Region	Voluntary	4
Regional Development Board	Economic development of the region based on existing natural resources and other assets	Region	Voluntary	6

Dpt of Agriculture

Type of plan, process or ctee	Purpose	Scale	Authorising legislation for statutory plans	No. in database
Best practice program or ctee	To promote best practice	Industry-wide or regional	Voluntary	3
Weed control plan or ctee	Control of noxious weeds		Noxious Weeds Act 1993	6
Biocide plan/ Hazardous Chemical Plan	Reduction of problems associated with pesticides and other chemicals	Regional	Voluntary	0
Pest Plant and Animal Plan or Ctee	To control pest plants and animals	Regional		18
Miscellaneous plans				7
Rural Lands Protection Board/ Council	Regulation, protection and management rural lands	Regional	Rural Lands Protection Act 1989	33
Co-operative Research Centres				6

Dpt of Mineral Resources

Type of plan, process or ctee	Purpose	Focus	Authorising legislation for statutory plans	No. in database
Extractive Industry (Mineral Resources) Environmental Mgt Plan	Protection and rehabilitation of the mine environment	Mining operation	?	0
Mineral Reserve Ctee				1

Tourism NSW

Type of plan, process or ctee	Purpose	Focus	Authorising legislation for statutory plans	No. in database
Regional Tourism Development Plan	To optimise tourism activity in the region	Regional	Voluntary	0
Regional Tourism Organisation	To optimise tourism activity in the region	Regional	Voluntary	5
Local Tourism Organisation	To optimise tourism activity in the region	Local govt area	Voluntary	0

Dpt of Bushfire Services

Type of plan, process or ctee	Purpose	Focus	Authorising legislation for statutory plans	No. in database
Fuel Mgt Plan	To manage risk and reduce negative impact of bushfire	Region		0
Incident Mgt Plan		Region		0
Bushfire Mgt Ctee				2

Surveyor General

Type of plan, process or ctee	Purpose	Focus	Authorising legislation for statutory plans	No. in database
Mapping				3

Local government

Type of plan, process or ctee	Purpose	Focus	Authorising legislation for statutory plans	No. in database
Regional Water Management Strategy	Efficient and environmentally responsible use of water		Local Government Act 1993	0
Public Reserve Management Plan	Efficient and environmentally responsible mgt of reserve	Local	Local Government Act 1993	2
Local Environment Plan	Land use zoning and controlling development	LGA(s) or smaller	Environmental Planning and Assessment Act 1979	0

Development Control Plan	Refine controls of LEP	LGA(s) or smaller	Environmental Planning and Assessment Act 1979	0
Stormwater Mgt Plan or Sewerage Scheme	Maintenance of water quality and protection of wetlands	Urban area	Cabinet decision	4
Tourism Development Plans	Optimisation of tourism potential	LGA or region	Voluntary	0
Local Conservation or Vegetation Mgt Plan	Protection of the natural environment	LGA	Voluntary	5

4.5 PLANS, PROCESSES AND COMMITTEES BY 'SCOPE'

The term 'scope' describes the size of the area covered by the plan or committee. The CMC region has been used as the 'regional' benchmark. Other categories have been defined from there.

Local may refer to:

- a single local government area
- a park or reserve
- a local creek catchment or gully
- a particular site

Sub-regional may include:

- a river catchment within a CMU
- defined floodplain
- defined length of a river/ riverine corridor
- an underground aquifer

Regional may include:

- major catchment (CMC area)
- an agency administrative region
- a group of local government

Multi-regional refers to:

- a number of CMC regions
- the Western Division or Central Division
- the Murray-Darling Basin

As the following table indicates by far the majority of plans in the database are regional in their scope.

Scope	No. of plans in database	No. of ctees in database
Local	53	3
Sub-regional	34	22
Regional	234	73
Multi-regional	11	23
Statewide	7	59
More than one State	1	3
National	4	11
International	0	1
No known	0	3
TOTAL	344	198

4.6 PLANS AND PROCESSES BY CATCHMENT MANAGEMENT UNIT

Where a plan is contained within one Catchment Management Unit it is counted under that CMU. Where it crosses all or several CMUs it is listed towards the bottom of the table.

CMU	No. of plans in database	No. of ctees in database*
Central West	41	/
Lower Murray Darling	30	
Lachlan	44	
Murrumbidgee	48	
Murray	27	
North West	53	
Western	20	
Several CMUs	34	
All CMUs	12	
Not known	35	
TOTAL	344	

* data incomplete

4.7 PLANS AND PROCESSES BY IBRA REGION

The bioregions defined in the 'Interim Bioregionalisation of Australia' have been used in this report. As with the CMUs, only plans wholly within a bioregion have been counted within that region. Others are listed under 'several' or 'all'.

IBRA region	No. of plans in database	No. of ctees in database*
Broken Hill Complex	3	/
Channel Country	0	
Cobar Peneplain	3	
Darling Riverine Plains	22	
Mulga Lands	1	
Murray-Darling Depression	18	
Nandewar	6	
Riverina	23	
South Brigalow	4	
Simpson-Strzelecki Dunefields	0	
South Western Slopes	47	
Several IBRA regions	128	
All IBRA regions	12	
Not known	77	
TOTAL	344	

* data incomplete

4.8 PLANS AND PROCESSES BY STAGE

Stage	No. of plans in database
Proposed	35
Currently being developed	136
Currently being implemented	107
Not known	77
TOTAL	355[#]

[#]This number is greater than the total number of plans because of the overlap or the development and implementation phases.

4.9 SOURCES OF FUNDING

The majority of plans and processes in the database are funded under The Natural Heritage Trust. The Trust is a partnership between Commonwealth and State Governments, formalised through Partnership Agreements. The agreement between the Commonwealth and New South Wales was made on the 31 October 1997. It outlines principles, roles and responsibilities, cost sharing, program management, monitoring and evaluation, reporting, publicity and conflict resolution under the Trust. It also outlines goals, objectives, outcomes and performance indicators for each program.

The overarching objective of the Trust is to conserve, repair and replenish Australia's environment and natural resources. This objective is delivered through 18 programs. Ten of these programs can be accessed by the community through the Trust's One-Stop-Shop. Appendix D lists the goals and relevant legislation, policies, committees and programs for 12 of the 18 programs.

Appendix E lists performance indicators relevant to the planning and consultation database.

Projects are more likely to receive trust funding if they are consistent with a regional strategy or action plan and take a regional approach. Projects need to demonstrate their strategic value in addressing biodiversity conservation and/ ecologically sustainable production objectives. They also need to demonstrate that they:

- ✓ address high priority issues identified through existing strategies
- ✓ include strong stakeholder support and commitment
- ✓ are at an appropriate scale for the issues being addresses
- ✓ include long-term objectives.

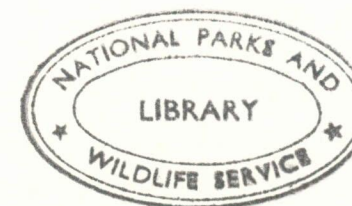
Projects are normally lodged within NSW, and go through a technical assessment, a regional assessment and a State assessment before a list or priorities is sent from the relevant State Ministers to the Commonwealth Ministers. There is further assessment by Commonwealth public servants before a final approval (or rejection) by Commonwealth Ministers.

DLWC is the lead agency for the assessment of most NHT applications in NSW. Figure 2 provides a summary of the number of projects funded under eight of the NHT programs as well as six State-based programs.

**FIGURE 2: FUNDS GRANTED
TO NON-GOVERNMENT COMMUNITY ORGANISATIONS**

	Number of projects funded	Total payments
State Funded Programs		
NSW Rivercare	101	\$1,433,317
NSW Rivercare Nutrient Control	41	\$ 483,777
Total Catchment Management Enhancement	55	\$1,107,322
Total Catchment Management 2	23	\$ 392,737
Salt Action	17	\$ 230,307
Wetlands Action	6	\$ 94,000
Joint State and Commonwealth Programs		
Murray-Darling 2001	114	\$3,864,092
Commonwealth Programs		
National Rivercare	11	\$ 325,539
National Vegetation Initiative (Bushcare	15	\$3,886,074
National Landcare program – Community	253	\$6,178,769
National Landcare program – Partnership	34	\$2,713,239
Farm Forestry Program	6	\$ 191,114
Fisheries Action Program	3	\$ 40,420
WaterWatch	12	\$ 162,800
National Wetlands Program	4	\$ 55,263
Totals	830	\$21,158,770

Source: DLWC, Annual Report 1997/1998 page 83.



5. ISSUES

1. Information management

The difficulty of collecting data for this project, indicated a problem with information management. In some instances there are no centralised records at all. In others there are simple lists or spreadsheets that record the status of particular plans or committees for which a unit within an agency has responsibility. The most complete is the NHT database maintained by DLWC. However, it appears that no 'agency' maintains a database of planning and consultation processes with basic criteria such as those contained here. This of course has implications for communication, accountability, monitoring, reporting and funding.

Given the ease of access to networked computer systems throughout the State, this seems to be an inexcusable situation.

A logical place for integration of information would be the Catchment Management Committees (or their future form) which have a responsibility for integrated natural resource management. However any 'agency' could take on this task supported by appropriate technology and interagency protocols.

2. Communication

There is a pervading impression that 'so little is happening', particularly in Western NSW, when clearly there is so much. Given the poor information management described above it is no surprise that there is a lack of

understanding between agencies of the scale, scope and amount of planning and consultation actually being undertaken. This is more the case in the head offices of the agencies than the regional centres.

While publications*, individual officers and high level committees attempt to build linkages, more should be done to foster communication and cooperation between agencies. This includes all agencies involved in natural resource and land management as well as agencies involved in regional and industry development.

*eg. *Natural Heritage*, The Journal of the Natural Heritage Trust No.3 Summer 1998/99, contains a list of all NHT community projects for 98-99.

3. Policy and strategic vision

There is a vast amount of complex and positive work being undertaken in relation to natural resources in central and western NSW. However, while legislation, key documents such as the *NSW Biodiversity Strategy* and information kits such as the *Water support package*, provide some direction, there is a need for a clear and integrated vision for the planning and management of all natural resource issues.

This vision needs to be endorsed by all agencies and supported by detailed policies, guidelines and information packages so that committees can work efficiently and effectively to achieve desired outcomes.

4. Overlap and duplication

Lack of strategic vision, communication, integration and monitoring have resulted in a plethora of plans and processes, many of which overlap and duplicate the work of others.

This has implications in a number of areas:

Data collection

Most planning processes collect data and produce maps. However the varying qualities, scales and purposes of this data collection mean that the information is often not used beyond its initial purpose. Resources are wasted producing 'original' material rather than on developing a valid and comprehensive dataset with a wide range of applications.

Committee membership

Community involvement and consultation are crucial to the success of any project. However, the large number of committees that have been set up to involve the community in planning processes place demands on individuals and communities; in small communities this often means the same people travelling long distances to serve on several committees, with considerable impact on their time and consequently their businesses and families.

Prioritising

The sheer number of plans with their varying goals, formats and quality, means that it is difficult to prioritise actions for further resourcing at both a regional and Statewide level. This is further hindered by the lack of a Statewide strategic vision.

5. Planning processes

Like the plans themselves, the planning processes vary in their efficiency and effectiveness. This is a result of the 'newness' of many of the processes and, again, the lack of detailed policy and support.

While detail on the progress of many plans, processes and committees is limited in the database, it is evident that in many instances the development and implementation phases overlap.

6. Monitoring and reporting

Linked to all the above is the issue of poor monitoring and reporting, particularly on completed plans. Given the hundreds of thousands of dollars that are committed to plans and committees, there should be much greater public accountability for public money.

Monitoring and reporting would allow goals and outcomes to be assessed and appropriate, soundly based amendments made to future processes.

6. RECOMMENDATIONS

6.1 RECOMMENDATIONS REGARDING THE DATABASE

1. Further refine, develop and maintain the database

As stated in earlier sections of this report, the database has several limitations. Nonetheless the basic framework is there for a very useful management, liaison, lobbying and reporting tool.

With further time and funding to add missing details, refine fields and consult with potential users, the data base could serve a number of useful on-going purposes for government agencies, non-government organisations and the community. These include:

- ✓ avoiding duplication of effort
- ✓ analysing natural resource priorities
- ✓ monitoring the progress of plans and processes
- ✓ providing an up to date check list for committees to ensure that they are aware of the status and relevance of other plans and process in their region
- ✓ assisting regional coordinators and facilitators in their day to day management, monitoring and reporting
- ✓ assisting State Assessment panels in prioritising and tracking funding applications

- ✓ reporting on relevant performance indicators from the NHT Partnership Agreement (See Appendix E)
- ✓ in conjunction with information from on-ground monitoring programs, assess the effectiveness of planning and consultation processes in achieving improvements in natural resource condition.

Additional fields that would be useful include:

- ✓ funding dollars and cost-sharing arrangements
- ✓ specific issues addressed
- ✓ area covered (hectares)

Maintenance of the database could rest with a non-government organisation, a government agency or regional catchment management committees. However the arrangement would need to be fully supported by all government agencies and a commitment made to provide the coordinator with the information required.

2. Undertake mapping and further analysis of the database

Representation of much of the database information graphically and spatially would assist in interpretation of the information and improve its usefulness in reporting against NHT performance indicators.

3(A) Develop a complementary database for *natural resource programs*, particularly new and innovative programs that focus on sustainability and best practice.

As stated in an earlier section, the actual delineation between plans, processes and programs was often difficult to determine. A more complete picture of natural resource actions and priorities would be obtained if a complementary database was established for programs.

3(B) Develop a complementary data base of *research and mapping projects*, particularly those funded under the NHT program

The field in the database which records 'products' makes some attempt to address this issue. However there are research and mapping projects not linked to specific planning processes.

To avoid duplication and waste of resources a comprehensive database of these projects needs to be established and maintained.

The coordination of this database does not have to sit with the same organisation as the other databases.

6.2 RECOMMENDATIONS RE NATURAL RESOURCE PLANNING AND CONSULTATION

4. Collect, collate and assess existing datasets

The numerous planning and research projects that have been undertaken over the last few years have generally produced data sets and maps to suit their particular needs. This has resulted in a large amount of data but at varying scales, for varying purposes and of varying reliability and accuracy. Further this data is not always readily accessible or transferable resulting in a duplication of effort in subsequent projects.

These maps and datasets need to be collected, collated and assessed and gaps and ongoing needs determined.

5. Develop a comprehensive data set for NSW

The above gap and needs analysis would determine more accurately the type and scale of information that is required for sound and strategic planning and management decisions.

However, the need for a comprehensive dataset for western NSW, and for the State, is clear. That dataset should:

- ✓ be created at a fine scale for detailed analysis
- ✓ be adaptable for a range of uses
- ✓ include multiple layers of information such as vegetation, soils, fauna distribution, threatened species, hydrology, artificial water points, land classification, cultural sites, protected areas and social data
- ✓ combine remote sensing technology with ground truthing and survey
- ✓ be supported by 'sound science'
- ✓ be produced and managed as a centralised/ joint agency project and
- ✓ be accessible to the public.

6. Develop a vision for natural resource planning and management in NSW, supported by comprehensive policies, guidelines and information packages

The 'piecemeal' approach taken to date has resulted in pockets of excellence but a more widespread confusion, duplication, a lack of integration and a considerable waste of human and financial resources.

Each agency now works to develop a vision and corporate imperatives, but these must be brought together into a Statewide vision for natural resource management supported by documentation which will allow committees to proceed with a clear understanding of their purpose and process.

7. Develop a predetermined hierarchy of strategies and action plans on a Statewide, regional, catchment and sub-catchment basis that accounts for regional differences but clarifies linkages and reporting arrangements.

A predetermined planning hierarchy within the policy framework discussed in recommendation 6, would facilitate government and community understanding, better integration, clearer priorities and linkages and relationships and effective reporting arrangements.

8. Review the role, function and geographic boundaries of CMCs and other planning committees

Once the strategic vision and planning hierarchy had been negotiated, the best structural arrangement for delivering and monitoring the achievement of that vision should be determined.

Many of the natural resource planning committees in western NSW are tackling difficult issues in a positive way for the first time. However, while current processes should be maintained in the short term, a review and rationalisation of committees should be undertaken in the longer term to ensure better integration, clearer processes and relationships and effective reporting arrangements.

9. Link the development of plans and policies to the performance indicators agreed in the NHT Partnership Agreement.

Although many of the 'indicators' of the partnership Agreement are expressed as actions or goals rather than as indicators, their intent is clear and they provide the most comprehensive indicator framework yet developed in this area. They do need to be refined but in the meantime can act as an effective and constant measurement tool.

Consequently every plan or process that deals with natural resource issues covered by the agreement should report against these indicators.

These could be collated at a regional/ bioregional level by agency and eventually collated by an interagency working group for reporting to the Commonwealth.

Appendix A

<i>Code</i>	<i>Plan or process</i>	<i>Responsible ctee/ taskforce</i>	<i>CMUs</i>	<i>IBRA regions</i>	<i>Scope</i>	<i>Lead agency</i>	<i>ID</i>
AB	Aboriginal and European History of the Macquarie Marshes	Macquarie Marshes CMC	CW	DRP	R	DLWC	177
AB	Ngunnawal Caring for Country	Ngunnawal Local Aboriginal Land Council	MEE	SWS	R	NSW ALC	126
AB	Revival Survival	Wamba Wamba Local Aboriginal Land Coun	MY	RA	R	DAA	260
AB	Restoring Grave sites and restoring the Old Mission	Lightning Ridge Local Aboriginal Land Coun	NW, WN	DRP	L	DAA, NPWS	229
AB	An Oral History of the Paroo River	Paroo River Association	WN	DRP, ML	R	DLWC	142
AB	Oral History of Aboriginal Knowledge of NSW Fish and Fish Habitats	Department of Aboriginal Affairs	WN	BHC, MDD, DRP,	R	DAA	146
At	National Greenhouse Strategy	COAG	All	All	N	CwIth	5
Bio	Bathurst Copper Butterfly Recovery Plan	NPWS Sydney Zone			R	NPWS	303
Bio	Black-eared Miner Recovery Plan	NPWS Western Zone			R	NPWS	295
Bio	Brush-tailed Rock-wallaby Recovery Plan	NPWS Northern Zone			R	NPWS	302
Bio	Eriocaulon carsonii Recovery Plan	NPWS Western Zone			R	NPWS	305
Bio	Eristemon ericofolius Recovery Plan	NPWS Western Zone			R	NPWS	312
Bio	Grevillea kennedyana Recovery Plan	NPWS Western Zone			R	NPWS	309
Bio	Hakea pulvinifera Recovery Plan	NPWS Western Zone			R	NPWS	306
Bio	Homaranthus darwinopides Recovery Plan	NPWS Western Zone			R	NPWS	315
Bio	Indigfera efoliata Recovery Plan	NPWS Western Zone			R	NPWS	310
Bio	Ooline Community Recovery Plan	NPWS Western Zone			R	NPWS	316
Bio	Pilliga Mouse Recovery Plan	NPWS Western Zone			R	NPWS	298
Bio	Plains Wanderer Recovery Plan	NPWS Western Zone			R	NPWS	297
Bio	Regent Honeyeater Recovery Plan	NPWS Western Zone			R	NPWS	296

<i>Code</i>	<i>Plan or process</i>	<i>Responsible ctee/ taskforce</i>	<i>CMUs</i>	<i>IBRA regions</i>	<i>Scope</i>	<i>Lead agency</i>	<i>ID</i>
Bio	Regent Parrot Recovery Plan	NPWS Western Zone			R	NPWS	299
Bio	Rulinia procumbens Recovery Plan	NPWS Western Zone			R	NPWS	311
Bio	Stipa nullanulla Recovery Plan	NPWS Western Zone			R	NPWS	308
Bio	Stipa wakoolica Recovery Plan	NPWS Western Zone			R	NPWS	307
Bio	Superb Parrot Recovery Plan	NPWS Western Zone			R	NPWS	301
Bio	Swainsona recta Recovery Plan	NPWS Southern Zone			R	NPWS	317
Bio	Swift Parrot Recovery Plan	NPWS Southern Zone			R	NPWS	304
Bio	Yellow-footed Rock-wallaby Recovery Plan	NPWS Western Zone			R	NPWS	300
Bio	Zieria ingrami Recovery Plan	NPWS Western Zone			R	NPWS	314
Bio	Zieria obcordata Recovery Plan	NPWS Western Zone			R	NPWS	313
Bio	National Strategy for the Conservation of Australia's Biodiversity	ANZECC Task Force on Biological Diversity	All	All	N	Environment Aus	1
Bio	NSW Biodiversity Strategy		All	All	S	NPWS	6
Bio	South Western Slopes and Plains Bioregional Assessment	NPWS	CW, MY, MG	SWS	R	NPWS	180
Bio	Lower Murray Darling Environmental Studies: Biodiversity Assessment	LMD CMC and DLWC	LMD	MDD	R	DLWC	42
Bio	Best Mgt Practices for Biodiversity Conservation on Irrigation Farms	Greening Australia and the Ricegrowers Ass	MEE	RA	R	NPWS	130
Bio	Monaro Remnant Native Grasslands Project		MEE	SWS	R	NPWS?	115
Bio	Nericon and Campbell's Swamp Wetlands Conservation Plan	Murrumbidgee Field Naturalists Inc	MEE	RA	L	DLWC, NPWS	118
Bio	Murray Nature Conservation Action Plan	Murray CMC	MY	RA, SWS	R	DLWC	265
Bio	Western Biodiversity Management Plan		WN	BHC, MDD, DRP,	R	NPWS?	137
Bio	Darling Riverine Plains Bioregional Assessment	NPWS	WN, CW, N	DRP	R	NPWS	143
Gen	The GLENRAC Integrated and Co-ordinated Action Plan Development	GLENRAC			R	LG	294
Gen	Castlereagh and Lower Macquarie Mgt Ctee Business plan		CW		SR		183

<i>Code</i>	<i>Plan or process</i>	<i>Responsible ctee/ taskforce</i>	<i>CMUs</i>	<i>IBRA regions</i>	<i>Scope</i>	<i>Lead agency</i>	<i>ID</i>
Gen	Watershed Steering Ctee Business Plan		CW		L		182
INRM	NSW Decade of Landcare Plan	State Landcare Working Group (sub-ctee of	All	All	S	DLWC	7
INRM	Central West Catchment - Enhancement of Natural Resource Mgt Plan	CW CMC	CW	DRP, CP, SB, S	R	DLWC	164
INRM	Central West Catchment Interim Regional Strategy	CW CMC	CW	DRP, CP, SB, S	R	DLWC	153
INRM	Central West Catchment Mgt Ctee Strategic Plan 1997 - 2000	CW CMC	CW	DRP, CP, SB, S	R	DLWC	152
INRM	Gilgandra District Strategic Plan		CW	DRP, SB	SR	DLWC	181
INRM	Little River Land, Water and Vegetation Mgt Plan	Little River Landcare Group	CW	SB, SWS	R	DLWC	157
INRM	Lower Macquarie Valley Natural Resource Mgt Strategy	CW CMC	CW	SWS, SHE	R	DLWC	158
INRM	Peel Environmental Rehabilitation Project - 1998/2000	Peel Landcare / Rivercare Group	CW	SWS, SHE	R	DLWC	171
INRM	Upper Cudgegong Valley Action Plan		CW		SR	DLWC	184
INRM	Wellington/Dubbo Landcare District Regional Action Plan	Wellington/Dubbo Landcare District Steerin	CW	DRP, SB, SWS	R	DLWC	161
INRM	Lower Murray Darling Catchment Interim Regional Strategy	Lower Murray Darling CMC	LMD	MDD, DRP	R	DLWC	25
INRM	Lower Murray Darling Natural Resource Management Plans		LMD	MDD, DRP	R	DLWC	37
INRM	Shire of Wentworth Local Conservation Plan	Wentworth Local Council	LMD	MDD	R	DLG	49
INRM	A Community Strategy for Natural Resource Mgt in the Lachlan Catch		LN	CP, MDD, SWS	R	DLWC	50
INRM	Breakfast Creek Catchment Plan	Breakfast Creek Landcare Group Inc	LN		L	DLWC	85
INRM	Cowra District Land and Water Action Plan	Cowra District Landcare Steering Ctee	LN	SWS	R	DLWC	55
INRM	Eugowra North Landcare Group Catchment Action Plan	Eugowra North Landcare Group	LN		R	DLWC	79
INRM	Goobang Creek NRM Plan	Goobang Landcare Group	LN	CP, SWS	L	DLWC	63
INRM	Jerrawa Creek Catchment Action Plan	Jerrawa Creek Landcare Group	LN	SWS	R	DLWC	131
INRM	Key Issues for the Upper Lachlan	Lachlan CMC	LN	SWS	SR	DLWC	78
INRM	Lachlan Catchment Mgt Ctee Draft Strategic Plan	LCMC	LN	CP, MDD, SWS	R	DLWC	51

<i>Code</i>	<i>Plan or process</i>	<i>Responsible ctee/ taskforce</i>	<i>CMUs</i>	<i>IBRA regions</i>	<i>Scope</i>	<i>Lead agency</i>	<i>ID</i>
INRM	Lachlan Interim Regional Strategy	LRO (Lachlan Regional Organisation)	LN	CP, MDD, SWS	R	SRD	52
INRM	Mandagery Creek NRM Plan	Upper Mandagery Landcare Group	LN	SWS	L	DLWC	65
INRM	Planning for Nat. Resource Mgt in the Lachlan Catchment (Action Plan	LCCMC	LN	CP, MDD, SWS	R	DLWC	57
INRM	Rye Park Catchment Plan	Rye Park Landcare Group	LN		SR	DLWC	73
INRM	Upper Belubula NRM Plan	Upper Belubula Landcare Group	LN		L	DLWC	66
INRM	Upper Burrangong Catchment Plan	Environmental Initiatives Committee	LN	SWS	R	DLWC	74
INRM	Warroo Landcare Plan	Warroo Landcare Group	LN		L	DLWC	69
INRM	Brooklong Landcare Group Total Catchment Plan	Brooklong Landcare Group	MEE	SWS	R	DLWC	122
INRM	Burrinjuck Subcatchment Plan		MEE	SWS	SR	DLWC	112
INRM	Lower Murrumbidgee Lachlan Resource Mgt Plan		MEE	RA	SR	DLWC	109
INRM	Murrumbidgee Catchment Action Plan	Murrumbidgee CMC	MEE	SWS, RA	R	DLWC	87
INRM	Murrumbidgee Catchment Regional Strategy	MCMC	MEE	SWS, RA	R	DLWC	88
INRM	Wagga Wagga Natural Resource Mgt Plan		MEE	SWS	L	DLWC	107
INRM	Wiradjuri Reserve Mgt Plan	Wagga Wagga City Council	MEE	SWS	R	DLG	128
INRM	Yass River Valley Subcatchment Plan		MEE	SWS	SR	DLWC	111
INRM	Murray Catchment (CMC) Action Plan	Murray CMC	MY	RA, SWS	R	DLWC	257
INRM	Murray Catchment Strategy	Murray CMC	MY	RA, SWS	R	DLWC	255
INRM	Catchment Planning in the NSW Border Rivers	North West Natural Resource Investment Gr	NW	NR	R	DLWC	215
INRM	Hut Gully Catchment Plan		NW	SB, NR	L	DLWC	214
INRM	Implementation of Catchment Strategies in the North West	North West CMC	NW	DRP, SB, NR	R	DLWC	190
INRM	Implementation of sustainable resource use strategies in the north wes	NW CMC	NW	DRP, SB, NR	R	DLWC	199
INRM	Improving and coordinating natural resource mgt in Southern New Engl	Southern New England Landcare Coord Cte	NW		R	DLWC	192

<i>Code</i>	<i>Plan or process</i>	<i>Responsible ctee/ taskforce</i>	<i>CMUs</i>	<i>IBRA regions</i>	<i>Scope</i>	<i>Lead agency</i>	<i>ID</i>
INRM	Nandewar Landcare Catchment Plan		NW		L	DLWC	230
INRM	North West CMC Strategic Plan	North West CMC	NW	DRP, SP, NR	R	DLWC	224
INRM	North West land use sustainability planning		NW	DRP, SB, NR	R	DLWC	202
INRM	North West Strategic Catchment Planning and Implementation	North West Natural Resource Investment Gr	NW	DRP, SP, NR	R	DLWC	217
INRM	Our Plan for the Border Rivers Catchment (QLD)	Border Rivers Catchment Management Asso	NW	NR	R	DLWC	216
INRM	Community Awareness & Involvement Action Plan for Western Catch	Western CMC	WN	BHC, MDD, DRP,	R	DLWC	135
INRM	Northern Floodplain Regional Planning for Conservation and ESD	Northern Floodplains Regional Planning Co	WN	DRP, ML	R	DLWC	145
INRM	Stephens Creek Catchment Mgt Plan	Broken Hill Water Board / CMC	WN	BHC	R	Broken Hill Wate	148
INRM	Western Catchment Regional Strategy	Western CMC	WN	BHC, MDD, DRP,	R	DLWC	132
INRM	(Draft) National Principles and Guidelines for Rangelands Mgt	ARMCANZ/ ANZECC	WN, CW, N	BHC, CC, CP, DR	RR	Environment Aus	2
INRM	Rangelands Monitoring and Reporting Program		WN, CW, N	BHC, CC, CP, DR	RR	Environment Aus	3
INRM	Sustainable Rangelands in the 21st Century	CSIRO / DLWC	WN, CW, N	CC, ML, SSD, BH	R	DLWC, CSIRO	20
INRM	Western Lands Review	Western Lands Review Committee	WN, CW, N	CC, ML, SSD, BH	R	DLWC	21
INRM	MDBC Dryland Subprogram, 3 year rolling plan	MDB Basin Sustainability Ctee	WN, CW, N	CC, ML, SSD, BH	RR	MDBC	14
INRM	MDBC Natural Resources Management Strategy	MDB Basin Sustainability Ctee	WN, CW, N	CC, ML, SSD, BH	RR	MDBC	15
INRM	Sustainable Utilisation of Rangelands		WN, LMD	BHC, MDD, DRP,	RR	DLWC?	139
MPA	Brigalow Park NR Mgt Plan				L	NPWS	347
MPA	Claremont NR Mgt Plan				L	NPWS	346
MPA	Kajuligah NR Mgt Plan				L	NPWS	342
MPA	Lake Urana NR Mgt Plan				L	NPWS	339
MPA	Longtree NR Mgt Plan				L	NPWS	341
MPA	Macquarie Marshes NP Mgt Plan			DRP	L	NPWS	343

<i>Code</i>	<i>Plan or process</i>	<i>Responsible ctee/ taskforce</i>	<i>CMUs</i>	<i>IBRA regions</i>	<i>Scope</i>	<i>Lead agency</i>	<i>ID</i>
MPA	Narran Lake NR Mgt Plan			DRP	L	NPWS	345
MPA	Nocoleche NR Mgt Plan			ML	L	NPWS	344
MPA	Pilliga NR Mgt Plan				L	NPWS	338
MPA	Tarrawi NR Mgt Plan				L	NPWS	348
MPA	Weisner's Swamp NR Mgt Plan				L	NPWS	340
MPA	National Parks Visions for the New Millennium	Visions for the New Millenium Steering Ctee	All NSW	All NSW	S	NPWS	18
MPA	Goobang NP Mgt Plan		CW	SWS	L	NPWS	334
MPA	Warrumbungle NP Mgt Plan		CW	SB	L	NPWS	332
MPA	Draft Willandra Lakes World Heritage Area REP		LMD	MDD	L	DUAP	351
MPA	Kinchega NP Mgt Plan	NPWS Western Zone	LMD	BHC	L	NPWS	318
MPA	Lake Victoria Regional Management Strategic Plan/Action Plan		LMD	MDD	L	DLWC, MDBC	35
MPA	Mallee Cliffs NP Mgt Plan	NPWS Western Zone	LMD	MDD	L	NPWS	319
MPA	Mungo NP Mgt Plan	NPWS Western Zone	LMD	MDD	L	NPWS	322
MPA	Willandra World Heritage Area Plan of Management	Willandra Community Management Council	LMD	MDD	SR	World Heritage A	24
MPA	Conimbla NP Mgt Plan		LN	SWS	L	NPWS	327
MPA	Weddin Mtns Mgt Plan		LN	SWS	L	NPWS	326
MPA	Willandra NP Mgt Plan	NPWS Western Zone	LN	RA	L	NPWS	325
MPA	Yathong, Nombinnie and Round Hill NRs Mgt Plan		LN	CP, RA	L	NPWS	328
MPA	Yuranigh's Grave HS Mgt Plan		LN	SWS	L	NPWS	335
MPA	Cocoparra NP&NR Mgt Plan		MEE	CP	L	NPWS	329
MPA	Koonandan HS Mgt Plan		MEE	SWS	L	NPWS	330
MPA	The Rocks NR Mgt Plan		MEE	SWS	L	NPWS	331

<i>Code</i>	<i>Plan or process</i>	<i>Responsible ctee/ taskforce</i>	<i>CMUs</i>	<i>IBRA regions</i>	<i>Scope</i>	<i>Lead agency</i>	<i>ID</i>
MPA	Coolah Tops NP Mgt Plan		NW	SB	L	NPWS	333
MPA	Mt Kaputar NP Mgt Plan		NW	NR	L	NPWS	336
MPA	Warrabah NP Mgt Plan		NW	NR	L	NPWS	337
MPA	Culgoa NP Mgt Plan	NPWS Western Zone	WN	DRP	L	NPWS	323
MPA	Mutawintje NP/HS Mgt Plan	NPWS Western Zone	WN	BHC	L	NPWS	321
MPA	Sturt NP Mgt Plan	NPWS Western Zone	WN	CC, SSD	L	NPWS	320
MPA	Gunderbooka NP Mgt Plan	NPWS Western Zone	WN, CW	CP	L	NPWS	324
MTE	Bathurst City Council Stormwater Mgt Plan	Bathurst City Council	CW	SWS, SHE	L	LG, EPA	178
MTE	Plan of Mgt for Conobolas Regional Parklands	DLWC	CW		R	LG	168
PPA	National Weeds Strategy	National Weeds Executive Committee	All	All	N	Ag	4
PPA	Rabbit Control Plan (with Rural Lands Protection Boards)		CW		SR	Ag	185
PPA	Implementation of Woody Weed Strategies	Woody Weed Action Group	LMD	MDD, DRP	R	DLWC	43
PPA	South-West Rabbit Control Plan	South West Rabbit Control Group	LMD	MDD	R	Ag	44
PPA	Burrangong Creek Rivercare Plan	Young Community Landcare Group	LN	SWS	R	DLWC, NSW Ag	80
RD	Outback Regional Development Strategy	ORDO	LMD	MDD	R	SRD	47
RD	Central Tablelands Farm Forestry Project Business Plan		LN		R	Ag	77
RD	Maximising Rural Prosperity in the Riverina	Riverina Regional Development Board	MEE		R	SRD	117
RD	Riverina Regional Economic Development Strategy	Riverina Regional Development Board	MEE		R	SRD	116
RD	Murray Dairy Industry Development Plan	Murray Dairy Inc	MY		R	Ag	245
RD	Measuring Rural Resource Trends in the MacIntyre Valley	MacIntyre Development Unit 2000	NW	NR	R	SRD/ Ag	236
RD	North West Regional Investment Plan	North West Natural Resource Investment G	NW	DRP, SB, NR	R	DLWC	186
SIA	Bestprac Program		All NSW	All NSW	RR	Ag	19

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SIA	Farming for the Future Program		All NSW	All NSW	S	Ag	23
SIA	Bathurst Forestry Management Plan	SF	CW	SWS	R	SF	278
SIA	Dubbo Forestry Management Plan	SF	CW	CP, DRP, SB	R	SF	276
SIA	Forbes Forestry Management Plan	SF	CW	CP, SWS	R	SF	277
SIA	Gilgandra Forestry Management Plan	SF	CW	DRP	R	SF	275
SIA	Mudgee Forestry Management Plan	SF	CW	SWS	R	SF	274
SIA	Warung Forestry Management Plan	SF	CW	SB, SWS	R	SF	273
SIA	Condobolin Forestry Management Plan	SF	CW, WN	RA, MDD, CP	R	SF	283
SIA	ESD Guidelines for the Sunraysia Irrigation District	LMD CMC, DLWC, Sunrise 21	LMD	MDD	R	DLWC	38
SIA	Rangelands Management Action Plan	RMAP Planning Ctee	LMD	MDD, DRP	R	DLWC	30
SIA	Murray REP No.2		LMD, MY	SWS, RA, MDD	R	DUAP	349
SIA	Mildura Forestry Management Plan	SF	LMD, WN	MDD, RA, BHC	R	SF	289
SIA	Boorowa River Catchment Landcare Action Plan	Boorowa Regional Catchment Ctee	LN	SWS	R	DLWC	53
SIA	Griffith Forestry Management Plan	SF	LN	RA	R	SF	281
SIA	Hovells Creek Salinity Action Plan	Hovells Creek Landcare Group	LN		L	DLWC	64
SIA	Queanbeyan Forestry Management Plan	SF	MEE	SWS	R	SF	279
SIA	Murrumbidgee Forestry Management Plan	SF	MEE, LN	RA	R	SF	282
SIA	Holbrook Forestry Management Plan	SF	MY	SWS	R	SF	290
SIA	Murray Forestry Management Plan	SF	MY	RA, MDD	R	SF	285
SIA	The Trout Cod Recovery Plan	NSW Fisheries	MY	SWS	R	Fish	246
SIA	Narrandera Forestry Management Plan	SF	MY, MEE	RA, SWS	R	SF	286
SIA	Steam Plains Forestry Management Plan	SF	MY, MEE	RA, MDD	R	SF	284

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SIA	Tumut Forestry Management Plan	SF	MY, MEE	SWS	R	SF	280
SIA	Attunga Forestry Management Plan	SF	NW	SB, NR	R	SF	270
SIA	Gunnedah Forestry Management Plan	SF	NW	SB, NR	R	SF	271
SIA	Inverell Forestry Management Plan	SF	NW	NR, SB	R	SF	268
SIA	Pilliga Forestry Management Plan	SF	NW	SB, DRP	R	SF	272
SIA	Cobar Forestry Management Plan	SF	WN	CL, ML, DRP, CP,	R	SF	288
SIA	Walgett Forestry Management Plan	SF	WN, CW	DRP, ML	R	SF	287
SIA	West 2000 Strategic Plan	West 2000 Management Board	WN, CW, N	CC, ML, SSD, BH	R	DLWC	22
SIA	Sustainable Cropping of the Semi-Arid Zone		WN, LMD	BHC, MDD, DRP,	RR	Ag?	140
SIA	Western Division REP No.1 Extractive Industries		WN, LMD, L	BHC, MDD, RA,	R	DUAP	350
Soil	Boorowa River Catchment Salinity Plan	Boorowa Regional Catchment Committee	LN	SWS	R	DLWC	72
Soil	Macquarie Region Dryland Salinity Plan		LN		R	DLWC	76
Soil	Murrumbidgee Dryland Salinity Action Plan		MEE		R	DLWC	114
Soil	District Guidelines for managing of soils in north-western NSW	NSW Agriculture	NW		R	Ag	237
Soil	Hut Gully Stabilisation Project	Hut Gully Landcare Group	NW	SB, NR	L	DLWC	213
Soil	Soil Information for Liverpool Plains Action Planning	NW CMC	NW	SB, NR	SR	DLWC	235
Soil	Reporting Rangeland Change	DLWC	WN, CW, N	BHC, MDD, DRP,	R	DLWC	151
Veg	NSW Native Vegetation Conservation Strategy	Native Vegetation Advisory Council	All	All	S	DLWC	8
Veg	Central West CMC Action Plan for Remnant Vegetation	CW CMC	CW	DRP, CP, SB, S	R	DLWC	154
Veg	Evans Shire Roadside Vegetation Mgt Plan	Evans Shire Council	CW	SWS	R	DLG	175
Veg	Macquarie River Mgt Plan	Bathurst City Council	CW	DRP	R	DLG	176
Veg	Lower Murray Darling Native Vegetation Conservation Plan	Lower Murray Darling CMC	LMD	MDD, DRP	R	DLWC	27

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Veg	Sthn Mallee Regional Plan for Clearing and Cultivation	Southern Mallee Regional Planning Ctee	LMD	MDD, DRP	R	DLWC	26
Veg	Mid Lachlan Regional Vegetation Management Plan - draft interim plan	Mid Lachlan Regional Veg Ctee	LN	SWS	SR	DLWC	70
Veg	North Lachlan Bogan Shire Regional Vegetation Management Plan	Nth Lachlan/Bogan Shires RV Committee	LN	CP	R	DLWC	71
Veg	On ground options for optimising conservation of on-farm woodlands	Lachlan CMC	LN		R	NPWS	82
Veg	Vegetation Mgt Plan for the Native Grasslands in Western Riverina		LN	RA	R	DLWC	68
Veg	Weddin Region Action Plan	Weddin Landcare Steering Ctee	LN	SWS	R	DLWC	56
Veg	Young Shire Vegetation Management Strategy and Action Plan	Young Shire Council	LN	SWS	R	LG	75
Veg	Balranald Island Mission Restoration Project	Balranald Local Aboriginal Land Council	MEE	MDD	R	NSW ALC	127
Veg	Murrumbidgee Catchment Vegetation Mgt Plan		MEE	SWS, RA	R	DLWC	99
Veg	Western Riverina Grasslands Mgt Plan	Western Riverina Grasslands Mgt Committe	MEE	RA	R	DLWC	106
Veg	Wirrimbirra Yallul Land Restoration and Bush Foods Project	Griffith Local Aboriginal Land Council	MEE	RA	R	NSW ALC	125
Veg	Holbrook Shire Roadside Vegetation Management Plan	Holbrook Shire Council	MY	SWS	R	DLWC	262
Veg	Murray Catchment Vegetation Plan	Murray CMC	MY	RA, SWS	R	DLWC	259
Veg	Overview of Vegetation Conservation and Management in the Murray	Nature Conservation Working Group of CMC	MY	RA, SWS	R	DLWC	258
Veg	Roadside Environment Strategic Plan)	RTA	MY	RA, SWS	R	RTA	256
Veg	Roadside Vegetation Management in the Murray Region	Wakool Shire Council on behalf of Murray R	MY	RA, SWS	R	DLWC	254
Veg	Riverina Highlands Regional Vegetation Management Plan	Riverina Highlands Regional Vegetation Co	MY, MEE	SWS	R	DLWC	264
Veg	Implementation of vegetation and biodiversity strategies in the north-w	NW CMC	NW	DRP, SB, NR	R	NPWS	200
Veg	North West Vegetation Management Action Plan	NW CMC	NW	DRP, SB, NR	R	DLWC	194
Veg	Remnant Vegetation Recovery Plan	Manilla Landcare Group	NW		R	DLWC	223
Veg	Land and Vegetation Action Plan for the Western Catchment	Western CMC	WN	BHC, MDD, DRP,	R	DLWC	133
Veg	Walgett Regional Vegetation Management Plan	Walgett Regional Vegetation Committee	WN	DRP	R	DLWC	149

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Wtr	National Guidelines for Groundwater Model Calibration		All	All	N	Cwlth	12
Wtr	NSW Streamwatch/Waterwatch Strategic Plan 1998 - 2000		All	All	S	DLWC	10
Wtr	NSW Water Reform agenda	Water Advisory Council and Water CEOs	All	All	S	DLWC	9
Wtr	NSW Water Conservation Strategy	Water Conservation Taskforce	All NSW	All NSW	S	DLWC	11
Wtr	Ben Chifley Dam Catchment Action Plan	Ben Chifley Catchment Steering Committee	CW	SWS	L	DLWC	155
Wtr	Central West Catchment Salinity Action Plan	DLWC	CW	DRP, CP, SB, S	R	DLWC	156
Wtr	Central West Groundwater Action Plan	CW CMC / DLWC	CW	DRP, CP, SB, S	R	DLWC	173
Wtr	Central West Water Quality Action Plan	Central West Water Quality Action Group	CW	DRP, CP, SB, S	R	DLWC	163
Wtr	Cudgegong River Regional Action Plan	Cudgegong Valley Catchment Group	CW	SWS	R	DLWC	162
Wtr	Cudgegong Valley Groundwater Sustainability Investigation	DLWC	CW		R	DLWC	174
Wtr	Macquarie 2100 - regional environmental community plan	MDBC	CW	DRP	R	DLWC	167
Wtr	Macquarie Marshes Integrated Land and Water Mgt Plan	Macquarie Marshes Catchment Committee	CW	DRP	R	DLWC	159
Wtr	Macquarie Marshes Water Mgt Plan		CW	DRP	L	DLWC	170
Wtr	Macquarie River Floodplain Mgt Plan	DLWC	CW	DRP	R	DLWC	166
Wtr	Macquarie-Castlereagh Nutrient Mgt Plan	CW CMC	CW	DRP	R	DLWC	160
Wtr	Mgt Plan for Groundwater Resources Contained in the Alluvial Sedime	DLWC	CW		R	DLWC	169
Wtr	Mid-Macquarie Community Salinity Prioritisation & Strategic Direction	Wellington / Dubbo Landcare District Steerin	CW	SWS, SB	R	DLWC	172
Wtr	Narromine Irrigation Scheme Action Plan	Narromine Irrigation Board of Management	CW	DRP	R	DLWC	179
Wtr	Sewerage Schemes for the Central West	CW CMC	CW	DRP, CP, SB, S	R	LG?	165
Wtr	Anabranh Water Management Action Plan	AWMAP Planning Ctee	LMD	MDD, DRP	SR	DLWC	31
Wtr	ESD Plan for the Menindee Lakes System/ LWMP	DLWC, Dareton	LMD	DRP	R	DLWC	39
Wtr	Fletchers Lake Wetlands System Management Plan	DLWC and LMD Regional Organisation	LMD	MDD	L	DLWC	45

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Wtr	LMIA Land and water Mgt Plan - Gol Gol Extension	Gol Gol Community Reference Grp	LMD	MDD	R	DLWC	33
Wtr	Lower Murray Irrigation Areas Land and Water Mgt Plan	LMIA LWMP Steering Ctee	LMD	MDD	R	DLWC	32
Wtr	Management Options for Menindee Lakes	Murray Darling Freshwater Research Centre,	LMD	DRP	R	DLWC, MDBC	41
Wtr	Management Plan for Thegoa Lagoon	MWWG - Murray Wetlands Working Group	LMD	MDD	R	DLWC	46
Wtr	Managing Menindee Lakes System	Tandou Ltd	LMD	DRP	R	DLWC	40
Wtr	Murray Darling Water Management Action Plan	MDWMAP Steering Ctee Inc	LMD	MDD, DRP, BHC	R	DLWC	29
Wtr	Murray Wetlands Working Group Strategic Plan 1997 - 2000	Murray Wetlands Working Group	LMD	MDD, DRP	R	DLWC	28
Wtr	Pomona Irrigation District Land and Water Mgt Plan	Pomona Irrigation Trust	LMD	MDD	SR	DLWC	34
Wtr	Stephens Creek Catchment Management Action Plan	Broken Hill Water Board	LMD	MDD	SR	DLWC	36
Wtr	Water Supply System Infrastructure Plan for Euston Irrigators	Euston Co-operative Rural Society Limited	LMD	MDD	R	DLWC	48
Wtr	Environmental Flows Plan for the Lachlan	DLWC / EPA	LN	CP, MDD, SWS	R	DLWC, EPA	61
Wtr	Eurow Creek Catchment Plan	Eurow Creek Landcare Group	LN	SWS	R	DLWC	62
Wtr	Great Gumbang Swamp Water Balance Assessment (part of Lachlan	Lachlan River Management Committee	LN		R	DLWC	84
Wtr	Jemalong Land and Water Management Plan	JLWMP Steering Ctee	LN	SWS	R	DLWC	54
Wtr	Lachlan Nutrient Mgt Plan	Lachlan CMC	LN		R	DLWC	83
Wtr	Lachlan River Floodplain Management Plan	DLWC	LN	CP, MDD, SWS	R	DLWC	59
Wtr	Lachlan Valley Groundwater Action Plan		LN	CP, MDD, SWS	R	DLWC	81
Wtr	Lake Cowal Land and Water Mgt Plan(s)		LN	SWS	L	DLWC	86
Wtr	Riverine Action Plan for the Lachlan Valley	LCMC	LN	CP, MDD, SWS	R	DLWC	60
Wtr	Sewerage Schemes for the Lachlan		LN		R		67
Wtr	Water Action Plan for the Lachlan Valley	DLWC	LN	CP, MDD, SWS	R	DLWC	58
Wtr	Benerembah Land and Water Mgt Plan	DLWC	MEE	RA	R	DLWC	123

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Wtr	Coleambally Irrigation Area Land and Water Mgt Plan		MEE	RA	R	DLWC	91
Wtr	Coleambally Outfall District Land and Water Mgt Plan	Coleambally Outfall Drainage Users Associa	MEE	RA	R	DLWC	92
Wtr	Coononcoocabil and Euwarderry Lagoons Action Plan	Murrumbidgee Wetlands Working Group	MEE	RA	R	DLWC	124
Wtr	Hay Private Irrigation Area Land and Water Mgt Plan		MEE	RA	SR	DLWC	104
Wtr	Junea Wetlands Mgt Plan		MEE	SWS	R	DLWC, NPWS	121
Wtr	Kyeamba Valley Landcare Land and Water Mgt Plan		MEE		SR	DLWC	90
Wtr	Lowbidgee - Nimmie/Caira Land and Water Mgt Plan		MEE	RA	SR	DLWC	94
Wtr	Lower Molonglo River Mgt Plan		MEE		L	DLWC	97
Wtr	Lower Murrumbidgee Aquifer Groundwater Mgt Plan	Murrumbidgee Groundwater Management C	MEE	RA	R	DLWC	108
Wtr	Mirrool Creek Floodplain Mgt Plan	DLWC	MEE	RA	R	DLWC	129
Wtr	Murrumbidgee Algal Mgt Plan	Murrumbidgee CMC	MEE		R	DLWC	103
Wtr	Murrumbidgee Catchment Groundwater Mgt Plan		MEE		R	DLWC	100
Wtr	Murrumbidgee Irrigation Area and Districts Land and Water Mgt Plan	MIA Sustainable Development Committee	MEE	RA	SR	DLWC	93
Wtr	Murrumbidgee Nutrient Mgt Plan	Murrumbidgee CMC, Nutrient Management	MEE	SWS	R	DLWC	102
Wtr	Murrumbidgee River Corridor Mgt Plan		MEE	SWS, RA	SR	DLWC	96
Wtr	Murrumbidgee River Floodplain Mgt Plan - Hay to Maude	DLWC	MEE	RA	R	DLWC	110
Wtr	Murrumbidgee Valley Strategic Water Mgt Plan		MEE		SR	DLWC	98
Wtr	Murrumbidgee Wetland Mgt Strategy		MEE		SR	DLWC, NPWS	101
Wtr	Numeralla River Catchment Action Plan	Numeralla and Nimmitabel Landcare Groups	MEE	SWS	R	DLWC	113
Wtr	Redbank Land and Water Mgt Plan		MEE		SR	DLWC	105
Wtr	REROC Waste Management Strategy	Riverina Eastern Regional Organisation of C	MEE	SWS	R	DLG	119
Wtr	Tarcutta Creek Catchment Land and Water Mgt Plan	Tarcutta Creek CMC	MEE	SWS	R	DLWC	89

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Wtr	Tumut Wetlands Rehabilitation Project		MEE	SWS	R	DLWC	120
Wtr	Upper Murumbidgee Land and Water Mgt Action Plan		MEE		SR	DLWC	95
Wtr	Berriquin Communities Land and Water Mgt Plan	DLWC	MY	RA	R	DLWC	239
Wtr	Cadell Communities Land and Water Mgt Plan	DLWC	MY		R	DLWC	240
Wtr	Deminien Communities Land and water Mgt Plan	DLWC/LWMP Working Party	MY	RA	R	DLWC	241
Wtr	DLWC Murray Valley Strategic Water Management Plan 1995-2000	DLWC	MY	RA, SWS	R	DLWC	252
Wtr	Implementation of the Murray Nutrient Management Strategy/Plan	Murray CMC	MY	RA, SWS	R	DLWC	251
Wtr	Interim Dam Safety Emergency Plan for Hume Dam	DLWC	MY	SWS	L	DLWC	242
Wtr	Murray Water Quality Action Plan	Murray CMC	MY	RA, SWS	R	DLWC	253
Wtr	Murray Wetlands Working Group Strategic Plan 1997	Murray Wetlands Working Group	MY	SWS, RV, MDD	R	DLWC	248
Wtr	Nutrient Management Strategy	Murray CMC	MY	RA, SWS	R	DLWC	250
Wtr	Nutrient Management Strategy for the Murray Region	DLWC/ Murray CMC	MY	RA, SWS	R	DLWC	247
Wtr	Upper Billabong Land and Water Management Plan		MY		SR	DLWC	263
Wtr	Wakool Communities Land and Water Mgt Plan	DLWC/ Wakool Land and Water Mgt Plan G	MY	RA	R	DLWC	243
Wtr	Water Quality Monitoring Strategy	Murray CMC	MY	RA, SWS	R	DLWC	249
Wtr	West Corrigan Land and Water Management Plan	West Corrigan Board of Management	MY		R	DLWC	267
Wtr	West Hume Land and Water Management Plan	West Hume Landcare Inc	MY	SWS	R	DLWC	266
Wtr	Wetland Mgt Guidelines for Local Councils in the Murray Region of NS	DLWC/ Murray Wetlands Working Group	MY	RA, SWS	R	DLWC	244
Wtr	Assessment of Flow Requirements for NSW River Murray Wetlands	MWWG through DLWC	MY, LMD	RA, MDD, SWS	R	DLWC	261
Wtr	Border Rivers Community Catchment Plan		NW	NR	SR	DLWC	228
Wtr	Catchment Planning in the Namoi, Gwdir and Macintire Catchments	North West CMC	NW	DRP, SB, NR	R	DLWC	187
Wtr	Floodplain Management Plan - Gwydir River Biniguy to Moomin Creek		NW	DRP, SB, NR	SR	DLWC	231

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Wtr	Gwydir Community Catchment Plan		NW	DRP, SP, NR	SR	DLWC	227
Wtr	Gwydir River Floodplain Management Plan	DLWC	NW	DRP, SP, NR	R	DLWC	188
Wtr	Gwydir Wetlands Management and Monitoring Program	Gingham Landcare Group	NW	DRP, SP, NR	R	DLWC	189
Wtr	Implementation of nutrient management strategies in the north west	NW CMC	NW	DRP, SB, NR	R	DLWC	197
Wtr	Implementation of Riparian Management Strategies in the North West	NW CMC	NW	DRP, SB, NR	R	DLWC	191
Wtr	Implementation of salinity management strategies in the north west	NW CMC	NW	DRP, SB, NR	R	DLWC	198
Wtr	Integrated Regional Plan for the Liverpool Plains	DLWC	NW	SB, NR	SR	DLWC	234
Wtr	Interim Groundwater Management Plan and Status Report for the Alluv	DLWC	NW		R	DLWC	205
Wtr	Interim Groundwater Management Plan and Status Report for the Alluv	DLWC	NW	DRP, SB	R	DLWC	211
Wtr	Interim Groundwater Mgt Plan for the Groundwater Resources of the B	DLWC	NW		R	DLWC	207
Wtr	Interim Unregulated Flow Management Plan for the North West	DLWC	NW		R	DLWC	208
Wtr	Liverpool Plains Floodplain Management Plan	DLWC	NW	SB, NR	SR	DLWC	232
Wtr	Lower Namoi Valley Interim Groundwater Management plan: Manage	DLWC	NW	DRP, SB	R	DLWC	209
Wtr	Macintyre River Floodplain Management Plan		NW	DRP, SB, NR	SR	DLWC	201
Wtr	Moomin Creek Floodplain Management Plan	DLWC	NW		SR	DLWC	233
Wtr	Namoi River Floodplain Management Plan	DLWC	NW	DRP, SP, NR	SR	DLWC	193
Wtr	Namoi Valley Community Catchment Plan		NW	DRP, SP, NR	SR	DLWC	222
Wtr	North West nutrient management planning		NW	DRP, SB, NR	R	DLWC	203
Wtr	North West riparian management planning		NW	DRP, SB, NR	R	DLWC	204
Wtr	North West Water Use Efficiency Benchmarks, Monitoring and Educati	NSW Agriculture	NW	SB	R	Ag	212
Wtr	Status Report for the Alluvial Groundwater Resources of the Upper Na	DLWC	NW	SB	R	DLWC	206
Wtr	Sustainable Groundwater Allocation and Use in NW NSW	Lwr NV Ad Ass, Upper Namoi Water Users,	NW		R	DLWC	225

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Wtr	The Gwydir Basin - Sustainable use of sub-artesian water	South East Water Shed	NW	DRP, SP, NR	R	DLWC	226
Wtr	The NSW Artesian Resources Mgt Plan	GAB Advisory Committee	NW	DRP, ML, CC, CP	RR	DLWC	220
Wtr	WISE - rivers and wetlands database for the Namoi and Gwydir	NPWS	NW	DRP, SP, NR	R	NPWS	238
Wtr	Cap and Pipe the Bores Program Strategic Plan (draft)	Cap and Pipe the Bores Committee	NW, WN		R	DLWC	219
Wtr	GAB Consultative Council Strategic Management Plan (draft)	GAB Consultative Council Strategic	NW, WN	DRP, ML, CC, C	R	DLWC	218
Wtr	Sustainable Groundwater Allocations in the Northern rivers alluvial plai	DLWC	NW, WN	DRP	R	DLWC	210
Wtr	Barwon - Darling River Management Plan	Barwon-Darling River Mgt Ctee	WN	DRP	R	DLWC	150
Wtr	Darling River Floodplain Mgt Plan - Walgett to Bourke	DLWC	WN	DRP	R	DLWC	144
Wtr	Darling River Nutrient Management Plan		WN	BHC, MDD, DRP,	R	DLWC?	138
Wtr	River Flow Criteria for Barwon-Darling Wetlands	Barwon-Darling River Management Committ	WN	DRP	R	DLWC	147
Wtr	Sewerage Schemes for the Murray Darling		WN	BHC, MDD, DRP,	R	LG?	136
Wtr	Water Action Plan for the Western Catchment	Western CMC	WN	BHC, MDD, DRP,	R	DLWC	134
Wtr	Water Mgt Plan for the Warrego, Paroo, Bulloo and Nebine Catchment	Natural Resources - Qld	WN	DRP, ML	SS	Natural Resource	141
Wtr	MDBC Algal Mgt Strategy	MDBC Water Policy Ctee	WN, CW, N	CC, ML, SSD, BH	RR	MDBC	16
Wtr	MDBC Floodplain Wetlands Mgt Strategy	MDB Basin Sustainability Ctee	WN, CW, N	CC, ML, SSD, BH	RR	MDBC	17
Wtr	MDBC Salinity and Drainage Strategy	MDB Water Policy Ctee	WN, CW, N	CC, ML, SSD, BH	RR	MDBC	13

Appendix B

<i>Code</i>	<i>Committee</i>	<i>Scope</i>	<i>Lead agency</i>	<i>Progress to December '98</i>	<i>ID</i>
AB	State Aboriginal Liaison Ctee	S			61
AB	State Aboriginal Assessment Panel (NHT)		DLWC		213
Bio	National Biological Diversity Advisory Ctee	N			81
Bio	National Corroboree Frog Recovery Team	N			65
Bio	Endangered Species Advisory Ctee	N	Cwlth		162
Bio	Australian Council for the International Union for the Conservation of Natur	N	NPWS		147
Bio	Black-eared Miner Recovery team	SS	NPWS		149
Bio	Expert Fauna Monitoring Working Panel	S	NPWS		48
Bio	Grassy Ecosystems Reference Group	RR	NPWS		80
Bio	Hasting River Mouse Recovery Ctee	R	NPWS		54
Bio	Kangaroo Management Review Ctee	S	NPWS		13
Bio	Koala Steering Ctee	S	NPWS		36
Bio	Potoroo Steering Ctee	S	NPWS		37
Bio	Regent Honeyeater Recovery Team	SS	NPWS		148
Bio	Southern Hairy-nosed Wombat Advisory Group	R	NPWS		151
FR	Bushfire Council of NSW	S	DBS		66
FR	Regional Bushfire Mgt Ctees	R	DBS		165
Gen	Animal Care and Ethics Ctee	S			62
Gen	Animal Welfare Advisory Council	S			3
Gen	Environmental Education Trust	S			41

<i>Code</i>	<i>Committee</i>	<i>Scope</i>	<i>Lead agency</i>	<i>Progress to December '98</i>	<i>ID</i>
Gen	National Animal Welfare Advisory Ctee	N			14
Gen	Natural Disasters Advisory Ctee	S			16
Gen	NSW Remote Sensing Council	S			19
Gen	NSW Rural Youth	S			90
Gen	State Emergency Management Ctee	S			52
Gen	State Land Information Council - Natural Resources Data Subctee	S			39
Gen	State Mapping Advisory Ctee	S			29
Gen	Rural Communities Consultative Ctee	RR	Ag		24
Gen	Hazardous Chemicals Advisory Council	S	EPA		32
Gen	NSW EPA State Forum	S	EPA		86
Gen	State Environment Protection Community Consultation Forum	S	EPA		28
INRM	Australian and New Zealand Environment Conservation Council	I			150
INRM	National Landcare Program State Assessment Panel	N			57
INRM	Natural Resources Audit Council				35
INRM	Decade of Landcare Working Group (SCMCC sub-ctee)	S	DLWC		47
INRM	SCMCC Marketing Sub-ctee	S	DLWC		159
INRM	SCMCC Natural Resources Programs Sub-ctee	S	DLWC		158
INRM	SCMCC Policy and Planning Sub-ctee	S	DLWC		157
INRM	State Catchment Management Co-ordinating Ctee	S	DLWC		27
INRM	West 2000 Natural Resource Mgt sub-ctee	RR	DLWC		168
INRM	Western Lands Advisory Board	RR	DLWC		160
INRM	Willandra Lakes Community Management Council	R	DLWC		34
INRM	Murray Darling Basin Community Advisory Ctee	RR	MDBC		1

<i>Code</i>	<i>Committee</i>	<i>Scope</i>	<i>Lead agency</i>	<i>Progress to December '98</i>	<i>ID</i>
INRM	Natural Resource Management Strategy - State Research Panel	RR	MDBC		45
MPA	Armidale District Advisory Ctee	R	NPWS		70
MPA	Bathurst District Advisory Ctee	R	NPWS		71
MPA	Broken Hill/ Tibooburra District Advisory Ctee	R	NPWS		72
MPA	Central West Area Consultative Ctee	R	NPWS		5
MPA	Coonabarabran District Advisory Ctee	R	NPWS		73
MPA	Glen Innes District Advisory Ctee	R	NPWS		74
MPA	Grafton District Advisory Ctee	R	NPWS		75
MPA	Griffith District Advisory Ctee	R	NPWS		76
MPA	Hartley Historic Site Advisory Ctee	R	NPWS		77
MPA	Lower Darling District Advisory Ctee	R	NPWS		78
MPA	Narrabri District Advisory Ctee	R	NPWS		79
MPA	National Parks and Wildlife Advisory Council	S	NPWS		69
MTE	Regional Waste Boards	R	EPA		101
MTE	State Waste Advisory Council	S	EPA		33
PPA	Plague Locust Advisory Ctee	SS			22
PPA	Riverina Rural Lands Protection Board	R			132
PPA	Scotchbroom Ctee	RR			64
PPA	Balranald Rural Lands Protection Board	R	Ag		129
PPA	Bourke Rural Lands Protection Board	R	Ag		115
PPA	Brewarrina Rural Lands Protection Board	R	Ag		116
PPA	Broken Hill Rural Lands Protection Board	R	Ag		120
PPA	Central Tablelands Rural Lands Protection Board	R	Ag		142

<i>Code</i>	<i>Committee</i>	<i>Scope</i>	<i>Lead agency</i>	<i>Progress to December '98</i>	<i>ID</i>
PPA	Cobar Rural Lands Protection Board	R	Ag		122
PPA	Condobolin Rural Lands Protection Board	R	Ag		135
PPA	Coonabarabran Rural Lands Protection Board	R	Ag		126
PPA	Coonamble Rural Lands Protection Board	R	Ag		124
PPA	Dubbo Rural Lands Protection Board	R	Ag		140
PPA	Eastern Riverina Noxious Weeds Advisory Group	R	Ag		176
PPA	Forbes Rural Lands Protection Board	R	Ag		138
PPA	Gundagai Rural Lands Protection Board	R	Ag		145
PPA	Hay Rural Lands Protection Board	R	Ag		131
PPA	Hillston Rural Lands Protection Board	R	Ag		130
PPA	Hume Rural Lands Protection Board	R	Ag		136
PPA	Lachlan Valley Noxious Plants Advisory Ctee	R	Ag		177
PPA	Macquarie Valley Noxious Plants Advisory Ctee	R	Ag		178
PPA	Milparinka Rural Lands Protection Board	R	Ag		113
PPA	Molong Rural Lands Protection Board	R	Ag		139
PPA	Moree Rural Lands Protection Board	R	Ag		118
PPA	Mudgeeee-Merriwa Rural Lands Protection Board	R	Ag		141
PPA	Murray Rural Lands Protection Board	R	Ag		133
PPA	Namoi-Gwydir Noxious Plants Advisory Ctee	R	Ag		179
PPA	Narrabri Rural Lands Protection Board	R	Ag		125
PPA	Narrandera Rural Lands Protection Board	R	Ag		134
PPA	Northern Slopes Rural Lands Protection Board	R	Ag		119
PPA	Noxious Weeds Advisory Ctee	S	Ag		84

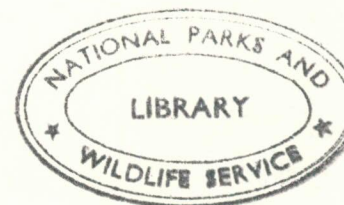
<i>Code</i>	<i>Committee</i>	<i>Scope</i>	<i>Lead agency</i>	<i>Progress to December '98</i>	<i>ID</i>
PPA	Nyngan Rural Lands Protection Board	R	Ag		123
PPA	Parthenium Weed Task Force	S	Ag		93
PPA	Pest Animal Council of NSW	S	Ag		164
PPA	Rural Lands Protection Board State Council	S	Ag		112
PPA	Tamworth Rural Lands Protection Board	R	Ag		127
PPA	Wagga Wagga Rural lands Protection Board	R	Ag		137
PPA	Walgett Rural Lands Protection Board	R	Ag		117
PPA	Wanarring Rural Lands Protection Board	R	Ag		114
PPA	Wentworth Rural Lands Protection Board	R	Ag		128
PPA	Western Riverina Noxious Weeds Advisory Group	R	Ag		180
PPA	Wilcannia Rural Lands Protection Board	R	Ag		121
PPA	Yass Rural Lands Protection Board	R	Ag		144
PPA	Young Rural Lands Protection Board	R	Ag		154
PPA	NSW Pest Animal Council	S	DLWC		89
PPA	West 2000 Rabbit Activating Ctee	RR	DLWC		175
PPA	West 2000 Woody Weeds Activating Ctee	RR	DLWC		173
RD	Area Consultative Ctees	RR	Cwlth		152
RD	West 2000 Training, Information and Alternative Industries Sub-ctee	RR	DLWC		167
RD	Riverina Eastern Regional Organisation of Councils (REROC)	R	LG		103
RD	Australian Capital Region Development Council	R	SRD		108
RD	Central Western Regional Development Board	R	SRD		110
RD	Far Western Regional Development Board	R	SRD		107
RD	Murray Regional Development Board	R	SRD		105

<i>Code</i>	<i>Committee</i>	<i>Scope</i>	<i>Lead agency</i>	<i>Progress to December '98</i>	<i>ID</i>
RD	New England-North West Regional Development Board	R	SRD		106
RD	Orana Regional Development Board	R	SRD		109
RD	Riverina Regional Development Board	R	SRD		111
RD	Ministerial Working Group on Regional Affairs	N	T&RS (Cwlth)		104
SIA	Australian Residue Management Group	N			4
SIA	National Drought Policy Review Task Force	N			15
SIA	NSW Mineral Resources Development Ctee	S			88
SIA	Co-operative Research Centre for Cattle and Beef Industries Board	S	Ag		2
SIA	Co-operative Research Centre for Cotton Board	S	Ag		7
SIA	Co-operative Research Centre for Quality Wheat Board	S	Ag		8
SIA	Co-operative Research Centre for Sustainable Rice Board	S	Ag		9
SIA	Co-operative Research Centre for Viticulture Board	S	Ag		10
SIA	Co-operative Research Centre for Weed Mgt Systems Board	S	Ag		11
SIA	Farming for the Future Board & Advisory Ctee	S	AG		12
SIA	Murray Farm Forestry Research and Development Subctee	R	Ag		43
SIA	NSW Bee Industry Consultative Ctee	S	Ag		17
SIA	Standing Ctee on Agricultural Resource Mgt (SCARM)	S	Ag		25
SIA	West 2000 Communications and Evaluations Sub-ctee	RR	DLWC		169
SIA	West 2000 Finance Sub-ctee	RR	DLWC		172
SIA	West 2000 Grants, Subsidies and Counselling Services Sub-ctee	RR	DLWC		166
SIA	West 2000 Institutional Reform Sub-ctee	RR	DLWC		171
SIA	West 2000 Management Board	RR	DLWC		153
SIA	West 2000 Total Grazing Pressure Activating Ctee	RR	DLWC		174

<i>Code</i>	<i>Committee</i>	<i>Scope</i>	<i>Lead agency</i>	<i>Progress to December '98</i>	<i>ID</i>
SIA	West 2000 Woody Weed and Rabbit Control Grants Sub-ctee	RR	DLWC		170
SIA	NSW CRA/ RFA Steering Ctee	RR	DUAP		85
SIA	NSW Farmers Board and Regional Councils	S	NSW Farmers		100
SIA	NSW Farmers Conservation & Resource Mgt Advisory Ctee	S	NSW Farmers		97
SIA	NSW Farmers Rural Affairs Advisory Ctee	S	NSW Farmers		98
SIA	NSW Farmers Western Division Council	RR	NSW Farmers		99
SIA	Capital Country Tourism	R	TNSW		214
SIA	Explorer Country Regional Tourism Organisation	R	TNSW		215
SIA	Riverina Regional Tourism Organisation	R	TNSW		216
SIA	The Outback Regional Tourism Organisation	R	TNSW		217
SIA	Tourism Murray River	R	TNSW		218
Soil	Acid Sulphate Soils Management Advisory Ctee	RR	Ag		31
Soil	Salt Action (SCMCC sub-ctee)	S	DLWC		156
Soil	State Assessment Panel of the National Soil Conservation Panel	S	DLWC		46
Veg	Greening Australia NSW Inc	S			50
Veg	One Billion Trees	N			68
Veg	Council for Sustainable Vegetation Mgt	N	CwIth		163
Veg	Brewarrina Regional Vegetation Ctee	L	DLWC	Proposed	193
Veg	Inverell-Yalloroi Regional Vegetation Ctee	SR	DLWC	Ctee yet to be established	186
Veg	Liverpool Plains Regional Vegetation Ctee	SR	DLWC	Proposed	190
Veg	Mid Lachlan Regional Vegetation Ctee	R	DLWC	Draft plan for public comment until Apri	181
Veg	Moree Regional Vegetation Ctee	L	DLWC	Draft plan in preparation	182
Veg	Narrabri-Coonabarabran-Coolah Regional Vegetation Ctee	R	DLWC	Proposed	192

<i>Code</i>	<i>Committee</i>	<i>Scope</i>	<i>Lead agency</i>	<i>Progress to December '98</i>	<i>ID</i>
Veg	North Lachlan Bogan Regional Vegetation Ctee	SR	DLWC	Ctee yet to be established	185
Veg	North-western Slopes Regional Vegetation Ctee	R	DLWC	Proposed	191
Veg	NSW Native Vegetation Advisory Council	S	DLWC		20
Veg	NSW Vegetation Forum (SCMCC sub-ctee)	S	DLWC		155
Veg	Riverina Highlands Regional Vegetation Ctee	R	DLWC	Ctee almost finalised	189
Veg	Walgett Regional Vegetation Ctee	L	DLWC	Draft plan in preparation	183
Veg	Western Riverina Regional Vegetation Ctee	R	DLWC	Draft plan in preparation	184
Wtr	Sustainable Land and Water Resources Mgt Ctee	N	Cwlth		30
Wtr	Barwon-Darling River Mgt Ctee	SR	DLWC	Ctee established Nov 97. 98/99 flow ru	206
Wtr	BasinCare NSW	S	DLWC		53
Wtr	Border Rivers Unregulated Water Mgt Ctee	SR	DLWC	Established October 98.	200
Wtr	Gwydir Groundwater Mgt Ctee	SR	DLWC	Ctee representatives being finalised	196
Wtr	Gwydir Regulated River Mgt Ctee	SR	DLWC	Established Nov, 97. 98/99 flow rules n	194
Wtr	Gwydir Unregulated River Mgt Ctee	SR	DLWC	Ctee representatives being finalised	195
Wtr	Lachlan Regulated River Mgt Ctee	SR	DLWC	Established Nov 97. 98/99 flow rules n	201
Wtr	Lachlan Unregulated River Mgt Ctee	SR	DLWC	Proposed	202
Wtr	Lower Murray Groundwater Mgt Ctee	SR	DLWC	Chair and structure being finalised	209
Wtr	Macquarie Groundwater Mgt Ctee	SR	DLWC	Established Dec 98.	205
Wtr	Macquarie Regulated River Mgt Ctee	SR	DLWC	Established Nov 97. 98/99 flow rules n	203
Wtr	Macquarie Unregulated River Mgt Ctee	SR	DLWC	Proposed	204
Wtr	Murray Lower Darling Community Reference Ctee	SR	DLWC	Established Jan. 99	208
Wtr	Murray Unregulated River Mgt Ctee	SR	DLWC	Chair and structure being finalised	207
Wtr	Murray Wetlands Working Group	R	DLWC		146

<i>Code</i>	<i>Committee</i>	<i>Scope</i>	<i>Lead agency</i>	<i>Progress to December '98</i>	<i>ID</i>
Wtr	Murrumbidgee Groundwater Mgt Ctee	SR	DLWC	Established Aug 98.	212
Wtr	Murrumbidgee Regulated River Mgt Ctee	SR	DLWC	Established Nov 97. 98/99 flow rules n	210
Wtr	Murrumbidgeeee Unregulated River Mgt Ctee	SR	DLWC	Established Sep 98.	211
Wtr	Namoi Groundwater Mgt Ctee	SR	DLWC	Established October 1998.	199
Wtr	Namoi Regulated River Mgt Ctee	SR	DLWC	Established Nov 97. 98/99 flow rules n	197
Wtr	Namoi Unregulated River Mgt Ctee	SR	DLWC	Established November 98.	198
Wtr	NSW Great Artesian Basin Advisory Ctee	RR	DLWC		161
Wtr	NSW Irrigation Reform Steering Ctee	S	DLWC		18
Wtr	NSW Irrigators' Council	S	DLWC		87
Wtr	NSW Water Advisory Council	S	DLWC		91
Wtr	NSW Water Reforms Implementation Mgt Ctee	S	DLWC		21
Wtr	NSW Wetlands Action Group (SCMCC sub-ctee)	RR	DLWC		92
Wtr	State Algal Co-ordinating Ctee (SCMCC sub-ctee)	S	DLWC		26
Wtr	State Groundwater Policy Working Group (SCMCC sub-ctee)	S	DLWC		94
Wtr	State Water Monitoring Co-ordinating Ctee	S	DLWC		44
Wtr	State Wetlands Working Group	S	DLWC		42
Wtr	Recycling Water Advisory Ctee	S	EPA		23



Appendix C - Issues being considered in central and western NSW

Water

Surface water quantity

- inappropriate/ inefficient water use
- ecologically unsustainable stream flow regimes

Surface water quality

- salinity
- eutrophication (nutrient pollution)
- stream turbidity or sedimentation
- discharge and seepage of effluent and chemicals

Groundwater quantity

- groundwater extraction/ depletion
- inappropriate/ inefficient use
- provision of open artificial watering points

Groundwater quality

- contamination
- integrity of aquifers

Riverine corridors

- accelerated erosion or build-up of river bank or beds
- poor ecological health
- use/ management of riparian zone
- drainage/ waterlogging
- flooding

Wetlands

- wise use
- management of wetlands
- management of catchment]
- river regulation
- drainage

Socio-economic issues

- regulation
- pricing

Infrastructure

- drainage
- sewerage
- water storage and supply

Irrigation

Land

Vegetation

- clearance or modification
- declining condition of remnant vegetation
- greenhouse gas absorption
- protection and enhancement
- trade-offs
- vegetation corridors/ roadsides

Soil fertility

- nutrient and biota decline
- loss of structure
- acidification

Dryland salinity

Soil erosion

- wind
- water

Management of introduced plants and animals

Management of native species with artificially increased range and abundance

Socio-economic issues

- regulation
- pricing

Biodiversity

Habitat loss, modification, fragmentation or degradation

- terrestrial
- aquatic

Diversity of species and ecosystems

- declining populations
- threatened species
- poorly conserved species or ecosystems
- threat abatement
- recovery

'Off-park' protection mechanisms

- covenants
- incentives

Comprehensive, adequate and representative reserve system

- bioregional assessments
- land acquisition
- change in status of public land
- declaration of parks and reserves

Management

Parks and protected areas

- natural resource management
- cultural resource management
- management of tourism and recreation
- community involvement

Bushfires

- fuel reduction
- incident management

Town environments

- zoning
- urban development
- management of tourism and recreation
- management of waste and pollution

Atmosphere

Enhanced greenhouse effect

Carbon trading

Air quality

Sustainable industry and agriculture

Farming

- stock and crop loss
- farm viability/ business mgt
- farm management systems
- skills/ training
- information, technology and communication
- administration of leases and licences

Forestry

- commercial viability/ employment
- forest protection
- zoning
- management systems and practices

Mining

- exploration
- environmental impact assessment
- operations
- rehabilitation

Fisheries

- declining fish populations
- unsustainable fishing practices
- restocking

Tourism

- optimisation
- impacts and sustainability
- economic contribution

Best practice and innovation

Regional development

Economic viability

Environmental sustainability

Diversification

Training and education

Aboriginal issues

Cultural sites

- identification
- protection
- access and interpretation

Land rights/ custodianship

Involvement

Employment in natural resource projects

Bush food and medicine

General

Strategic planning and management

- duplication
- extent and appropriateness
- scale
- process
- community involvement
- funding

Research and monitoring

- duplication
- data/ information collection, analysis and presentation
- trials and demonstrations
- monitoring and reporting systems
- funding

Appendix D: National Heritage Trust programs

One-Stop-Shop	Program	National goal	Relevant legislation and policy	Relevant committees and programs	Lead agency
✓	Bushcare: The National Vegetation Initiative	To reverse the long-term decline in the quality and extent of Australia's native vegetation cover	NSW Native Vegetation Conservation Act Objective 1.2 National Strategy for the Conservation of Australia's Biological Diversity.	CMCs Regional Vegetation Management Ctees	DLWC in collaboration with NPWS and NSW Ag.
✓	National Rivercare Program	To ensure progress towards the sustainable management, rehabilitation and conservation of rivers outside the Murray-Darling Basin and to improve the health of these rivers.	COAG Water Industry reforms NSW Water Reform Package NSW Coastal Policy NSW Riverine Corridor Management Policy NSW Estuary Mgt Program	CMCs Riverine Corridor Mgt Ctees Estuary Mgt Ctees Regulated and Unregulated Stream Ctees	DLWC
✓	WaterWatch	Healthy waterways.			
✓	National Landcare Program	To develop and implement resource mgt practices which enhance our soil, water and biological resources and which are efficient, sustainable, equitable and consistent with the principles of ESD.	NSW Catchment Mgt Act 1989 NSW Native Vegetation Conservation Act NSW Water Reform Package	West 2000 Farming for the Future State Landcare Support Program Landcare Groups, Facilitators and Coordinators	DLWC
✓	Murray-Darling 2001	To contribute to the rehabilitation of the MDB with a view to achieving a sustainable future for the Basin, its natural systems and its communities.	NSW Three Year Rolling Proposal	MDB Community Advisory Ctee	DLWC
✓	Farm Forestry Program	To encourage the incorporation of commercial tree growing and mgt into farming systems for the purpose of wood and non-wood production, increasing agricultural productivity and sustainable natural resource mgt.	National Forest Policy Statement NSW Farm Forestry Strategy NSW CRA process	NSW Vegetation Forum RACAC	

One-Stop-Shop	Program	National goal	Relevant legislation and policy	Relevant committees and programs	Lead agency
✓	Fisheries Action Program	To help achieve the repair of Australia's aquatic environment and assist in the conservation and sustainable use of fish resources in freshwater, estuarine and marine environments.	NSW Fisheries Act		NSW Fisheries
✓	National Wetlands Program	To promote the conservation, repair and wise use of wetlands across Australia.	Wetlands Policy of the Cwlth of Australia NSW Wetlands Mgt policy NSW Wetlands Action Plan		DLWC in collaboration with other agencies
✓	Endangered Species Program	To protect and conserve Australia's native species and ecological communities in the wild.	Endangered Species Protection Act 1992 (Cwlth) NSW Threatened Species Conservation Act 1996 Cwlth and NSW Biodiversity Strategies		NPWS
✓	National Reserve System Program	To assist with the establishment and maintenance of a comprehensive, adequate and representative system of reserves.	Interim Bioregionalisation for Australia Interim Scientific Guidelines for Establishing the National reserve System TSC 1996 Cwlth and NSW Biodiversity Strategies Bioregional Planning Strategy for NSW (in prep) Guideline for Integrated Mgt of Marine and Terrestrial Protected Areas (in prep)	ANZECC	NPWS
	National Feral Animal Control Program	To ensure effective mgt of the impact of feral animals on the natural environment and on primary production	Rural Lands Protection Act Non Indigenous Animals Act National Parks and Wildlife Act TSC Act 1996 Pesticides Act Endangered Species Protection Act 1992 (Cwlth) Threat Abatement Plans	SCARM Pest Animal Council of NSW Rural Land Protection Boards CMCs	NSW Agriculture in collaboration with NPWS

One-Stop-Shop	Program	National goal	Relevant legislation and policy	Relevant committees and programs	Lead agency
	National Weeds Program	To reduce the detrimental impact of nationally significant weeds on the sustainability of Australia's productive capacity and natural ecosystems.	National Weeds Strategy State Weeds Strategy	SCARM Noxious Weeds Advisory Ctee Rural Lands Protection Boards CMCs	NSW Agriculture

Appendix E: Relevant performance indicators from the NHT Partnership Agreement.

Program	Performance indicators that can be directly measured from the database	Other performance indicators relevant to planning and consultation processes
Bushcare	<p>Area covered by Interim Regional Vegetation Management Plans, which identify best land management practices, areas for retention and areas for revegetation.</p> <p>Development of strategic alliances between government and key industry sectors for improved vegetation management and biodiversity conservation measures.</p> <p>Targeted consultation with key stakeholders in each State to seek input on measures to improve vegetation management and biodiversity conservation.</p>	<p>Identification of endangered and other threatened ecological communities in regions which may be subject to clearing.</p> <p>Annual increases in the area of native vegetation under conservation management and in land subject to conservation covenants.</p> <p>The extent to which best practice standards and guidelines for regional catchment strategies are developed and adopted.</p> <p>Extent to which Interim Regional Vegetation Management Plans include tools to facilitate best practice native vegetation management.</p> <p>Establishment of regional pilot studies to set best practice benchmarks for vegetation management.</p> <p>Greater awareness by land managers of the vegetation communities and wildlife habitat values on their properties, and development of strategies to monitor condition and extent of native vegetation and associated wildlife incorporated in Interim Regional Vegetation Management Plans.</p> <p>An increasing proportion of applications for community grants conforming with the goals of the Interim Regional Vegetation Management Plans.</p> <p>Increased involvement of women in local decision-making on vegetation issues and projects, and in Regional Vegetation Committees.</p> <p>Increased capacity of Aboriginal communities to undertake vegetation management and representation on Regional Vegetation Committees.</p>

Program	Performance indicators that can be directly measured from the database	Other performance indicators relevant to planning and consultation processes
National Landcare Program	<p>Proportion of regions covered by regional strategies.</p> <p>Proportion of catchments or regions with strategies that address the full range of ecological sustainable development issues.</p> <p>Degree to which government and research and development agencies reflect an integrated approach to service provision and information provision.</p>	
MD 2001	<p>Number of catchments with comprehensive catchment management plans implemented, including disposal, reuse and treatment of urban sewerage and stormwater.</p> <p>Coverage by regional/catchment plans incorporating sustainable land and water management practices.</p> <p>Number of communities engaged in integrated monitoring activities within the Basin.</p>	<p>Basin-wide vegetation mgt and retention policy developed and incorporated in catchment management plans.</p> <p>Extent to which groundwater mgt strategies are included in catchment mgt plans and are being implemented.</p> <p>Health of riverine environments assessed against agreed indices.</p> <p>Extent of implementation of other revegetation activities in strategic areas.</p> <p>Area of land assessed for current land use against land capability</p>
Fisheries Action Program	<p>Publication of a National Strategy and Action Plan developed in consultation with the States</p>	<p>The extent of integration of fisheries and fish habitat issues with regional catchment strategies</p>
National Wetlands Program	<p>Management plans developed and in place for all current Australian Ramsar sites and where possible, developed and in place for any additional listed sites.</p> <p>Integrated regional catchment strategies established on a priority regional basis, that incorporate the management of biological diversity, including wetland objectives.</p>	<p>All States and Territories to have in place Wetland Policies or Strategies complementary to that of the Commonwealth.</p> <p>"State of Australia's Wetlands" compiled as part of State of the Environment reporting.</p> <p>Establishment of training opportunities, and participation in implementation of a national training program on best practice wetland management and conservation principles for wetland managers and decision makers.</p>

Program	Performance indicators that can be directly measured from the database	Other performance indicators relevant to planning and consultation processes
Endangered species program	<p>For priority threatened species and ecological communities, prepare and implement Recovery Plans.</p> <p>Complete and implement Threat Abatement Plans for Key Threatening Processes which may be added to the <i>Endangered Species Protection Act 1992</i>.</p> <p>Integrated regional/ catchment strategies established on a priority regional basis, that incorporate the management of biological diversity, including threatened species and ecological community Recovery Plans and key threatening processes Threat Abatement Plans.</p>	<p>Increase community membership on recovery teams, commensurate with implementation requirements of Recovery Plans.</p>
National Reserves System Program	<p>Legislatively based (where appropriate) management plans or other agreed management guidelines in place for land added to the National Reserve System.</p> <p>Improvement in the documentation and accessibility of information on ecosystem distribution, components and threatening processes in high priority and/or poorly known IBRA regions.</p> <p>Integrated regional catchment based strategies that incorporate the management of biological diversity, including National Reserve System objectives.</p> <p>Development of an agreed strategy for giving effect to the objectives of the National Reserve System Program in New South Wales.</p>	<p>Agreement reached on a strategic approach for land acquisition using, inter alia, IBRA and the <i>Interim Scientific Guidelines for Establishing the National Reserve System</i>.</p> <p>Identifiable progress towards the development and adoption of ANZECC best practice management standards.</p> <p>Continuing to use a range of conservation management measures to protect biodiversity in New South Wales.</p> <p>Establishing Indigenous Protected Areas in New South Wales through cooperation with Indigenous people and the State, and progress in cooperative arrangements for protected area management with Indigenous people.</p>
National Feral Animal Control Program	<p>The production of National feral animal control strategies which have been endorsed by all States and Territories.</p> <p>Specific feral animal control strategies integrated into regional/ catchment planning processes where appropriate.</p> <p>Production and implementation of Threat Abatement Plans for feral cats, goats, foxes and rabbits.</p> <p>Investigations to identify, in priority order other feral animals which may have significant impacts and produce and implement Threat Abatement Plans accordingly.</p>	<p>Priority regions identified for integrated management of national significant feral animals.</p> <p>Publication of best practice guidelines for selected feral animals.</p>

Program	Performance indicators that can be directly measured from the database	Other performance indicators relevant to planning and consultation processes
National Weeds Program	The National Weeds Strategy's goals, priorities and actions are integrated into regional/ catchment strategies. Regional/ catchment strategies with identified specific weed impact minimisation outcomes.	Strategies and structures in place to identify and management plants with the potential to become weeds of national significance. Communities committed to managing weeds of national significance through agreed cooperative arrangements which are integrated with regional/ catchment strategies, and which are consistent with national management plans.

Appendix F – Database codes and abbreviations

Natural Resource Code

INRM	Integrated natural resource management
Bio	Biodiversity
Wtr	Surface water, ground water and wetlands
Veg	Vegetation
Soil	Soil
PPA	Pest plants and animals
At	Atmosphere
MPA	Management of protected areas
MTE	Management of town environments
FR	Fire management
SIA	Sustainable industry and agriculture
RD	Regional development
AB	Aboriginal issues
Gen	General

Scope of plan or process

L	Local
SR	Sub-regional
R	Regional
RR	More than one region
S	Statewide
SS	More than one State
N	National
I	International

Lead agency

Ag	NSW Agriculture
BFS	Dpt Bushfire Services
DLG	Dpt Local Government
DLWC	Dpt Land and Water Conservation
DUAP	Dpt Urban Affairs and Planning
EPA	Environment Protection Authority
Fish	NSW Fisheries
MDBC	Murray Darling Basin Commission
NPWS	National Parks and Wildlife Service
SF	State Forests
SRD	Dpt State and Regional Development
TNSW	Tourism New South Wales

IBRA Regions

BHC	Broken Hill Complex
CC	Channel Country
CP	Cobar Peneplain
DRP	Darling Riverine Plains
ML	Mulga Lands
MDD	Murray-Darling Depression
NR	Nandewar
RA	Riverina
SB	South Brigalow
SSD	Simpson-Strzelecki Dunefields
SWS	South Western Slopes

Catchment Management Units

CW	Central West
LMD	Lower Murray Darling
LN	Lachlan
MEE	Murrumbidgee
MY	Murray
NW	North West
WN	Western

Federal electorates

CL	Calare
FR	Farrer
GR	Gwydir
HM	Hume
NE	New England
PKS	Parke
RA	Riverina

State electorates

AY	Albury
BH	Broken Hill
BJK	Burrinjuck
BT	Bathurst
DBO	Dubbo
LN	Lachlan
MEE	Murrumbidgee
MY	Murray
OG	Orange
UH	Upper Hunter
WW	Wagga Wagga



National Parks & Wildlife Service



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New South Wales Government