



# 5 Rivers and wetlands

## This Chapter

This chapter summarises investments supported by the NAP and the regional component of the Trust that have a major focus on the rivers and wetlands matter for target. The first section of the chapter summarises priority action investments approved to the 30 June 2004. It also provides a summary of the type of activities supported by these investments and progress in the achievements of these activities to the 31 March 2004.

The second section summarises regional investments having a major focus on rivers and wetlands from regional strategies based on accredited regional plans to 30 June 2004. This section details the specific rivers and wetlands targets and related management action targets from the approved investments. It also provides a summary of the type of activities supported by these investments and progress in the achievements of these activities to the 31 March 2004.

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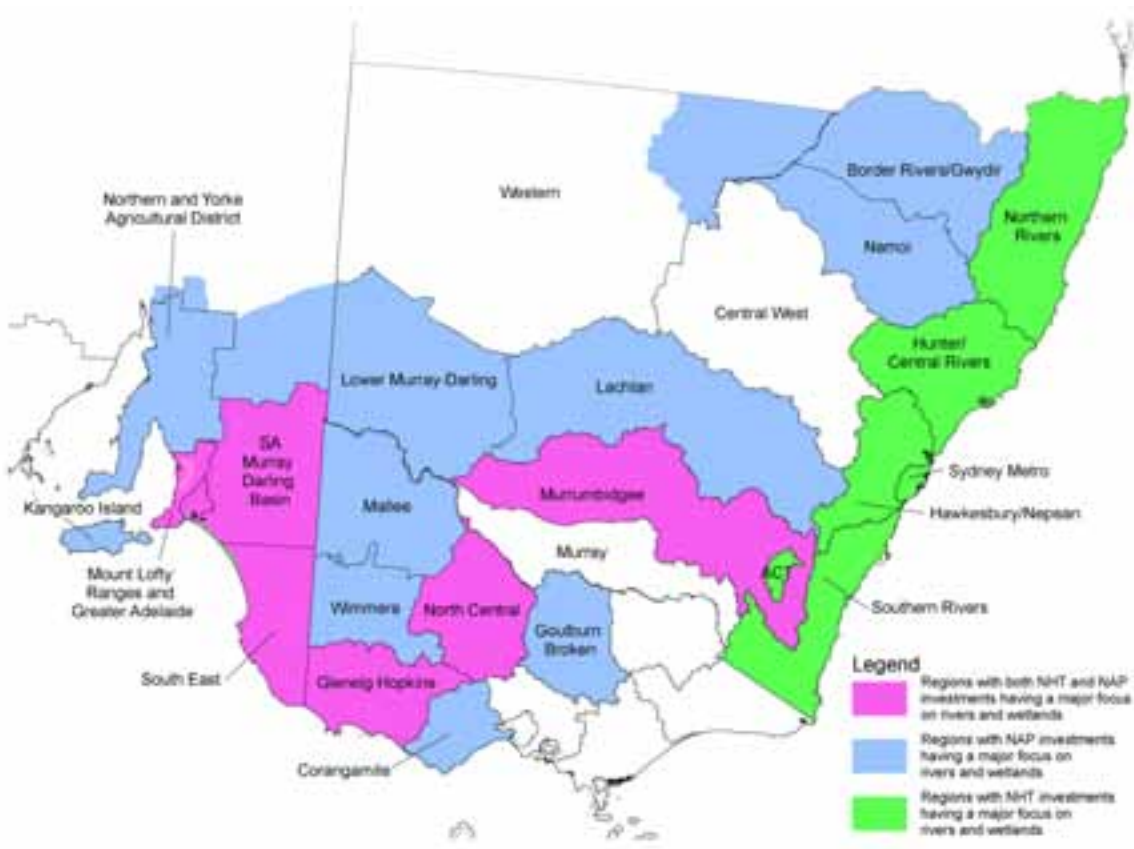
## Glossary

# 5.1 PRIORITY ACTIONS HAVING A MAJOR FOCUS ON RIVERS AND WETLANDS

## Approvals and reported expenditure

Investments by the NAP and the regional component of the Trust in priority actions having a major focus on rivers and wetlands total approximately \$74m. Figure 5.1.1 shows the regions addressing rivers and wetlands through this funding. Table 5.1.1 details the approved priority action funding for each region. Table 5.1.2 details the reported expenditure by each of these regions.

**Figure 5.1.1** Regions with priority actions having a major focus on rivers and wetlands



**Table 5.1.1** Priority actions having a major focus on rivers and wetlands approved to June 2004\*

State	Region	2003-04 Approvals (\$)		Total Approvals to June 2004 (\$)	
		NAP	Trust	NAP	Trust
Australian Capital Territory	Australian Capital Territory				166,500
New South Wales	Hawkesbury - Nepean				600,000
	Hunter - Central Rivers				1,742,685
	Lachlan				338,900
	Lower Murray Darling	100,000		449,170	438,000
	Murray			9,260,930	
	Namoi	100,000		280,000	76,000
	Northern Rivers				1,958,505
	Southern Rivers				508,500
	State-wide	3,350,000		5,650,000	
	Sydney Metro				265,200
	Western	237,224		352,636	
Northern Territory	Northern Territory		216,000		216,000
Queensland	Border Rivers-Balonne-Maranoa			2,298,200	
	Burdekin		137,000	640,200	137,000
	Burnett - Mary	892,166		892,166	
	Cape York		50,000		50,000
	Condamine			661,900	
	Fitzroy	2,050,000		3,478,420	
	Mackay - Whitsunday		200,000		200,000
	South East		90,000		90,000
	South West		500,000		500,000
	Southern Gulf		150,000		150,000
	Wet Tropics		68,000		68,000
South Australia	Mount Lofty Ranges			2,179,100	
	Northern and Yorke Agricultural District			42,000	55,000
	Rangelands				42,000
	SA Murray Darling Basin			5,723,900	736,000
	South East			4,075,000	186,000
Tasmania	North Tasmania		892,300		892,300
	North West		582,469		582,469
	South Tasmania		509,760		509,760
	Tasmanian NAP Region			2,051,000	
Victoria	Corangamite			2,777,000	174,980
	East Gippsland		487,400		739,860
	Glenelg Hopkins				114,800
	Goulburn Broken			3,283,252	289,528
	Mallee			580,000	5,000
	North Central			2,016,700	330,000
	North East		384,500		1,175,175
	Port Phillip		108,000		108,000
	State-wide		385,000		7,885,000
	West Gippsland		209,000		209,000
Wimmera			1,978,591	78,000	

Western Australia	Avon	635,000		635,000	87,000
	Northern Agricultural		130,000		485,460
	Rangelands	624,060	134,000	624,060	343,690
	South Coast	218,570		218,570	10,700
	South West	575,052		575,052	448,140
	Swan				140,908
Total		8,782,072	5,233,429	50,722,847	23,134,060

\* Figures reflect Australian Government and State/Territory Government approvals for NAP and only Australian Government approvals for the Trust. State/Territory Government cash and in-kind funding for the Trust is not included.

**Table 5.1.2** Reported expenditure for priority actions having a major focus on rivers and wetlands

State	Region	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 04		July 03 - March 04		Total to March 04	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Australian Capital Territory	Australian Capital Territory		328,000		328,000		328,000		328,000
New South Wales	Hawkesbury - Nepean		455,250		455,250		277,888		277,888
	Hunter - Central Rivers		457,781		457,781		246,163		246,163
	Lachlan		101,000		101,000		19,214		19,214
	Lower Murray Darling		364,500	349,170	364,500	220,670	24,500	249,170	24,500
	Murray			9,260,930		9,154,891		9,154,891	
	Namoi	175,000	21,000	220,000	21,000	49,836		51,431	
	Northern Rivers		587,552		587,552				
	Southern Rivers		14,625		14,625		50,781		50,781
	State-wide	2,800,000		5,100,000		2,000,600		2,258,046	
	Sydney Metro		38,400		38,400				
Western	86,000		175,412		42,486		43,259		
Queensland	Border Rivers-Balonne-Maranoa	2,298,200		2,298,200		536,222		536,222	
	Burdekin	640,200		640,200		135,799		135,799	
	Burnett - Mary	892,165		892,165					
	Condamine	661,900		661,900		158,318		158,318	
	Fitzroy	1,428,420		1,428,420		500,240		500,240	
South Australia	Mount Lofty Ranges	507,500		1,943,100		324,562		1,566,000	
	Northern and Yorke Agricultural District		41,000	42,000	41,000		14,000	10,500	14,000
	Rangelands		34,000		34,000		14,190		14,190
	SA Murray Darling Basin	1,063,250	534,000	4,432,900	534,000	1,769,391	298,868	4,765,878	298,868
	South East		148,500		148,500		93,000		93,000

State	Region	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 04		July 03 - March 04		Total to March 04	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Tasmania	North Tasmania		50,000		50,000				
	North West		269,560		269,560				
	South Tasmania		344,560		344,560				
	Tasmanian NAP Region	2,051,000		2,051,000		255,381		462,502	
Victoria	Corangamite			2,777,000	174,980	300,815	131,235	2,029,833	131,235
	East Gippsland		487,400		739,860		150,716		150,716
	Glenelg Hopkins				114,800		71,235		71,235
	Goulburn Broken			3,283,252	289,528	17,647		3,277,370	289,528
	Mallee			580,000	5,000	306,620	1,763	416,833	4,413
	North Central			2,016,700	330,000		9,518	1,933,350	234,025
	North East		384,500		1,175,175		777,099		777,099
	Port Phillip		108,000		108,000		81,000		81,000
	State-wide		385,000		7,885,000		3,805,992		3,805,992
	West Gippsland		209,000		209,000		156,750		156,750
	Wimmera			1,978,591	78,000	702,178	48,375	1,548,006	48,375
Western Australia	Avon		43,650		87,250		87,250		87,250
	Northern Agricultural		175,460		355,460		180,000		180,000
	Rangelands		73,500		179,000		158,185		158,185
	South Coast				10,700		10,700		10,700
	South West		80,000		304,000		175,386		175,386
	Swan		70,454		140,908		140,908		140,908
<b>Total</b>		12,603,635	5,806,692	40,130,940	15,976,389	16,475,655	7,352,716	29,097,647	7,869,401

## Activities and achievements

### Funded activities

Funding for the types of priority action activities primarily addressing rivers and wetlands supported by the NAP and the regional component of the Trust, is shown in Table 5.1.3.

**Table 5.1.3** Types of activities supported by priority actions having a major focus on rivers and wetlands

Activity Type	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
	July 03 - March 04		Total to March 04		July 03 - March 04		Total to March 04	
	NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Resource assessment	7,720,135	1,471,738	11,236,885	8,990,538	3,288,892	4,019,233	4,629,154	4,019,233
Planning	1,022,100	333,400	12,083,030	526,600	10,770,619	278,989	11,365,950	301,489
Capacity building	906,500	1,124,505	3,236,564	1,492,959	197,173	1,029,004	2,322,069	1,031,654
On-ground activities	2,954,900	2,877,049	13,574,461	4,966,292	2,218,972	2,025,490	10,780,475	2,517,025
Total	12,603,635	5,806,692	40,130,940	15,976,389	16,475,655	7,352,716	29,097,647	7,869,401

Funding for priority action activities primarily addressing rivers and wetlands supported by the NAP and the regional component of the Trust, is described in Table 5.1.4.

**Table 5.1.4** Funding for priority action activities having a major focus on rivers and wetlands

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Australian Capital Territory									
Australian Capital Territory	Aquatic Biodiversity and Habitat Education		45,000		45,000		45,000		45,000
	Catchment Coordination		154,500		154,500		154,500		154,500
	Local Waterwatch		74,500		74,500		74,500		74,500
	Territory Waterwatch Monitoring		54,000		54,000		54,000		54,000
New South Wales									
Hawkesbury - Nepean	Warragamba Catchment Riparian Biodiversity Protection and Enhancement		430,250		430,250		252,888		252,888
	WISE Rivers and Wetlands Information System for the Hawkesbury Lower Nepean Catchment		25,000		25,000		25,000		25,000

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Hunter - Central Rivers	Central Coast Rehabilitation Project Including the Development and Implementation of Plans for Key Areas, and the Development of a Strategic Plan for the Protection and Rehabilitation of Regionally Significant Vegetation.		52,000		52,000		26,222		26,222
	Hunter Catchment Community Awareness and Education Strategy		62,591		62,591		62,590		62,590
	Hunter Catchment Vegetation Mapping, Planning and Management		115,000		115,000				
	Lower North Coast Catchment Blueprint Strategic Planning and Data Collection Project		129,738		129,738		64,237		64,237
	Priority Rivercare Planning and Implementation for the Hunter Catchment		98,452		98,452		93,114		93,114
Lachlan	Identification and Assessment of Degradation and Threatening Processes to Aquatic and Riparian Areas in the Lachlan Catchment.		101,000		101,000		19,214		19,214
Lower Murray Darling	Implementation of the Darling Anabranch management plan				349,170		220,670		249,170
	Lower Murray Darling Catchment Aquatic Health Project		24,500		24,500		24,500		24,500
	Menindee Lakes Environmental Impact Statement (EIS) Project		340,000		340,000				
Murray	Murray Land and Water Management Plans				9,260,930		9,154,891		9,154,891
Namoi	Best Management Practices (BMP) for the Management of Wetlands and Identification of Environmental Weeds and Pests of the Namoi		21,000		21,000				
	Identification of Riverine Areas of High Recovery Potential in the Namoi Catchment	175,000			220,000		49,836		51,431

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Northern Rivers	River Health Priority Project: Protecting and Enhancing River Health in the Northern Rivers Catchments.		202,050		202,050				
	River Health Project 2002-2003		211,560		211,560				
	Stream Health in the Mid North Coast Catchment Management Board Area		173,942		173,942				
Southern Rivers	South East Integrated River and Wetland Protection and Rehabilitation Program		14,625		14,625		50,781		50,781
State wide	Feasibility Study to Achieve Water Savings in the Murrumbidgee Valley	2,500,000		4,800,000		1,925,600		2,183,046	
	Water Information System for the Environment (WISE) Project	300,000		300,000		75,000		75,000	
Sydney Metro	Reviewing and Restoring Fish Passage in Urbanised Waterways, Southern Sydney Catchment Management Board		38,400		38,400				
Western	Stock Watering Points - A Central Key to Environmental Management	86,000		175,412		42,486		43,259	
Queensland									
Border Rivers-Balonne-Maranoa	Community Water Quality and Riverine Management in the Queensland Murray Darling Basin	2,298,200		2,298,200		536,222		536,222	
Burdekin	Development and Implementation of a community and Stakeholder NRM InfoBase and Community Involvement Process for the Burdekin Dry Tropics Region	167,000		167,000		41,159		41,159	
	Whole of catchment Assessment and prioritisation of Wetlands and Waterways	473,200		473,200		94,640		94,640	
Burnett - Mary	Water Quality	892,165		892,165					

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Condamine	Condamine resource information system for target based NRM	391,800		391,800		82,374		82,374	
	Improved monitoring programmes (Condamine)	270,100		270,100		75,944		75,944	
Fitzroy	Implementing the Central Queensland Strategy for Sustainability - Fitzroy Basin Neighbourhood Catchment Programme	1,428,420		1,428,420		500,240		500,240	
<b>South Australia</b>									
Mount Lofty Ranges	Accelerate work in the Mt Lofty Ranges to improve water quality, enhance biodiversity and rehabilitate riparian zones			419,500		142,312		559,500	
	Dung beetles for cleaner water	26,000		64,300		21,000		65,200	
	Mid Torrens Catchment - "Towards Water Quality Improvement" Project.	37,500		187,500				112,500	
	Myponga Watercourse Restoration Project	30,000		101,300				22,300	
	Saving the Swamps: Conserving the Most Significant Wetlands of the Mount Lofty Ranges and the Fleurieu Swamps	107,500		322,500		161,250		322,500	
	Supporting Community Groups Build their Capacity to Deliver Regional NAP Projects	67,500		157,500				90,000	
	Sustainable Salinity and Water Management on the Northern Adelaide Plains. Stage 1 Identification of actions to provide a sustainable water balance and prevent salinity damage	44,000		283,000				239,000	
	Water Proofing Adelaide	195,000		350,000				155,000	
	Wetland Inventory for the Southern Mount Lofty Ranges			57,500					
Northern and Yorke Agricultural District	NYAD NRM Officer Waterwatch		41,000		41,000		14,000		14,000
	Willochra Catchment Hydrological Assessment and Threat Analysis			42,000				10,500	

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)				
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004		
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust	
Rangelands	Comparative Valuation and management of great Artesian Basin Bore drain Wetlands in South Australia		34,000		34,000		14,190		14,190	
SA Murray Darling Basin	Assessing Impacts of Land and Water Management on Floodplain Health	97,250		148,800		97,300		97,300		
	Building community capacity and support for NRM in the SA Murray Darling Basin		400,000		400,000		222,368		222,368	
	Coordinating Monitoring and Evaluation in the South Australian Murray-Darling Basin	31,000		249,000		93,000		218,000		
	Development of market based investment programs for NRM along the River Murray/Mallee dryland corridor	155,000		320,000		106,546		271,546		
	Implementation of the Coorong, and Lakes Alexandrina and Albert Ramsar Management Plan	90,000		360,100		90,000		270,100		
	Implementing the River Murray Catchment Water Management Plan	330,000		1,340,000		1,230,000		1,230,000		
	Ramsar Habitat Mapping Project. Stage 2: Habitat Zoning		61,000		61,000		39,500		39,500	
	Regional Support Programme Land and Water Management in the Lower Murray		73,000		73,000		37,000		37,000	
	Riverland Ramsar Management Plan	20,000		100,000		40,000		100,000		
	Salinity Response Team - Riverine - Stage 1.	230,000		250,000				223,931		
	Salinity Response Team - Riverine - Stage 2.	110,000		420,000		112,545		309,945		
	Water Quality and Water Use Improvement for the SA Lower Murray through Irrigation Restructuring and Rehabilitation-Year 1			1,245,000				2,045,056		
	South East	Waterwatch South East Education and Community Monitoring		36,000		36,000		18,000		18,000
		Wetland Management and Restoration in the Lower South east		112,500		112,500		75,000		75,000

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Tasmania									
North Tasmania	Quamby Brook Management Action Program		50,000		50,000				
North West	Bush & Streamside Restoration Project NW		269,560		269,560				
South Tasmania	Bush and Streamside Restoration Project South		269,560		269,560				
	Promotion and Implementation of Water Sensitive Development		75,000		75,000				
Tasmanian NAP Region	Conservation of freshwater ecosystem values	330,000		330,000					
	Establishment of a process to set targets for water quality in the NAP region.	82,000		82,000		1,754		1,754	
	Holistic environmental flow methods in the NAP region	320,000		320,000		10,262		10,262	
	Implementation of a NAP region river health monitoring system	225,000		225,000		2,881		2,881	
	Installation of an effective water quality and streamflow monitoring system in the NAP Region, Stage 1	207,000		207,000				207,121	
	Installation of an effective water quality and streamflow monitoring system in the NAP Region, Stage 2	280,000		280,000		103,664		103,664	
	Provision of water metering infrastructure to monitor water use in the NAP region	235,000		235,000		82,497		82,497	
	Surface water hydrological models for the NAP region	150,000		150,000		41,264		41,264	
	Water quality linkages and baseline data project	222,000		222,000		13,059		13,059	

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Victoria									
Corangamite	Corangamite - Addressing integrated Natural Resource Management Issues in the Upper Barwon River Catchment				64,980		48,735		48,735
	Corangamite - Community Waterwatch				18,800		14,100		14,100
	Corangamite - Waterways, Remnants and Planning Project				91,200		68,400		68,400
	Moorabool River Catchment Project			350,000				350,000	
	Priority Streams - Instream Works			1,967,000		105,330		1,310,348	
	Wetlands, Lakes and Plains Wise Management			460,000		195,485		369,485	
East Gippsland	Community Led Integrated Riparian Management and Rehabilitation		18,000		18,000		11,138		11,138
	East Gippsland Waterwatch		133,000		133,000				
	Gippsland Plains Lakes to the Hinterland Landscape Rehabilitation and Recovery Project		199,000		278,000		125,475		125,475
	Mitchell River Stream Flow Management Plan		35,000		35,000				
	Mitchell River Stream Flow Management Plan (Correct title should be 'Stabilisation of sedimentation sources in the lower Mitchell river tributaries')				92,553				
	Protection and enhancement of the marine, estuarine and coastal environments in priority areas along the east Gippsland coast		102,400		102,400				
Trial of integrated re-establishment of waterline indigenous vegetation				80,907		14,103		14,103	

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Glenelg Hopkins	Portland Basin Lake Condah Sustainable Development Project and Planning Process				50,000		30,031		30,031
	Upper Glenelg Partnership projects for the Glenelg River 'Representative Reach'				36,000		26,890		26,890
	Upper Glenelg Partnership Projects in the Chetwynd River catchment				28,800		14,314		14,314
Goulburn Broken	Forestry CW 209 Private Forestry				22,500				22,500
	Goulburn Broken CMA - Capacity Building			1,932,652		17,647		1,926,770	
	Goulburn Broken CMA - Water Quality			1,350,600				1,350,600	
	Rivercare CW 203 River Health and Water Quality				267,028				267,028
Mallee	Expansion of Mallee Waterwatch throughout the Mallee Region				5,000		1,763		4,413
	River Health and Wetlands			580,000		306,620		416,833	
North Central	Lower Avoca Wetland Management Survey			166,700				83,350	
	North Central River Health Strategy				330,000		9,518		234,025
	Waterway Management			1,850,000				1,850,000	
North East	River Health Strategy Implementation		384,500		384,500		249,000		249,000
	Sustainable Use of Natural Resources				329,500		209,625		209,625
	Water Resource Protection and Enhancement				461,175		318,474		318,474
Port Phillip	Regional Waterwatch Coordinator for Port Phillip		75,000		75,000		56,250		56,250
	Waterways grants		33,000		33,000		24,750		24,750
State-wide	Wimmera Mallee Pipeline business case		385,000		7,885,000		3,805,992		3,805,992
West Gippsland	Waterwatch (LaTrobe Basin)		47,000		47,000		35,250		35,250
	Waterwatch (South Gippsland Basin)		98,000		98,000		73,500		73,500
	Waterwatch (Thomson Basin)		64,000		64,000		48,000		48,000

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Wimmera	Achieving Improved Water Quality through Integrated Acton in the Wimmera Region - Waterway Education			1,378,000		621,506		974,307	
	Landcare coordinator and Facilitator Operating				78,000		48,375		48,375
	Waterway Degradation in the Wimmera			600,591		80,672		573,699	
Western Australia									
Avon	Priority Avon Waterways Action		43,650		87,250		87,250		87,250
Northern Agricultural	Towards sustainable water resource management in the Northern Agricultural region		175,460		355,460		180,000		180,000
Rangelands	Implementation of Lower Gascoyne river action		35,000		70,000		58,000		58,000
	Murchison River Restoration		7,500		15,000				
	Working with the community to improve environmental management in the Ord region		31,000		94,000		100,185		100,185
South Coast	Management and Conservation of regionally Significant High Priority Wetlands				10,700		10,700		10,700
South West	Dumbleyung Strategic Water Management Strategy				50,000				
	Peel-Harvey Catchment Council administration		8,000		23,000		22,670		22,670
	Peel-Harvey ICLEI Water Campaign		15,000		42,000		47,116		47,116
	Peel-Harvey Rivercare Action		57,000		171,000		87,600		87,600
	Regional surface water management support				18,000		18,000		18,000
Swan	Community Education and Training		70,454		140,908		140,908		140,908
Total		12,603,635	5,806,692	40,130,940	15,976,389	16,475,655	7,352,716	29,097,647	7,869,401

## Achievements

The outputs, or products and services produced by these activities, are summarised in four tables according to the types of outputs described in Chapter 1. Summaries of the outputs related to resource assessment, planning, capacity building and on-ground activities are shown in Table 5.1.5, Table 5.1.6, Table 5.1.7 and Table 5.1.8.

**Table 5.1.5** Priority action resource assessment outputs related to rivers and wetlands

Standard Output	July 03 - March 04			Total to March 04		
	NAP	Trust	Joint	NAP	Trust	Joint
<b>Baseline, trend or condition studies for targets</b>						
Number of sites monitored	212		541	249		541
Number of studies undertaken	12.9		14	12.9		14
<b>Decision support tools</b>						
Number models, information management systems and other decision support tools developed	28		9	30		9
<b>Investigations (survey, inventory and mapping and data analysis)</b>						
Number undertaken	28		46.6	29		46.6
Area (hectares) surveyed	175800		45	175800		45
<b>Research and development studies</b>						
Number undertaken	9			9		

**Table 5.1.6** Priority action planning outputs related to rivers and wetlands

Standard Output	July 03 - March 04			Total to March 04		
	NAP	Trust	Joint	NAP	Trust	Joint
<b>Improved practice codes or guidelines</b>						
Number developed	6.65		4.3	8.15		4.3
<b>Integrated catchment or sub-catchment plans</b>						
Number developed	2.8		6	3		6
<b>Property management plans</b>						
Number completed	874		18	878		18
<b>Species recovery plans and action statements</b>						
Number developed	1			1.3		
Number developed			1			1

**Table 5.1.7** Priority action capacity building outputs related to rivers and wetlands

Standard Output	July 03 - March 04			Total to March 04		
	NAP	Trust	Joint	NAP	Trust	Joint
<b>Awareness raising activities</b>						
Number of demonstrations, field days, study tours and other non-training forums held	681		173	683		173
Number of participants in person-days at demonstrations, field days, study tours and other non-training forums	548		509	548		509
Number of brochures, newsletters, displays and other non-training products developed	38		588	39		588
Quantity of brochures, newsletters, displays and other non-training products distributed	4735		845	4735		845
Number of media opportunities including websites developed	9		51	9		51
<b>Facilitation motivation and support activities</b>						
Number of active positions (FTE) supported	32.78		19	47.11		19

Standard Output	July 03 - March 04			Total to March 04		
	NAP	Trust	Joint	NAP	Trust	Joint
Number of community groups or projects assisted	106		108	107		108
<b>Skills and training activities</b>						
Number of training sessions, workshops seminars and other events held	101		161	116		161
Number of participants in person-days at training sessions, workshops seminars and other events	621		2642	621		2642
Number of workbooks, course notes and other key materials developed	46		4	65		4
Quantity of workbooks, course notes and other key materials distributed	670		22	670		22

**Table 5.1.8** Priority action on-ground activity outputs related to rivers and wetlands

Standard Output	July 03 - March 04			Total to March 04		
	NAP	Trust	Joint	NAP	Trust	Joint
<b>Conservation by agreements</b>						
Number of conservation agreements or covenants established			35			35
<b>Indigenous vegetation protected by fencing</b>						
Area (hectares) protected	6047.9		131.5	6065		131.5
Length (km) of streambank protected	532.8			532.8		
<b>Indigenous vegetation enhanced/rehabilitated</b>						
Area (hectares) enhanced or rehabilitated	4429.81		34	4741		400034
Length (km) of streambank enhanced or rehabilitated	160		22	160		222
<b>Revegetation with indigenous vegetation</b>						
Area (hectares) revegetated	164.2		114.8	194.2		114.8
Length (km) of streambank revegetated	14			21.2		
<b>Revegetation with exotic vegetation</b>						
Area (hectares) revegetated	10386			10386		
<b>Riparian and waterway health</b>						
Length (km) of stream bank or stream bed stabilised	9.84		74.21	46.76		74.21
Number of stream bank or stream bed structures installed	13			13		
Number of off-stream (alternative) watering sites installed	5		17	5		17
Number of off-river stock watering points established	1		25	1		25
<b>Wetlands health protected or enhanced</b>						
Area (hectares) of wetland protected or enhanced	71		1	75		1
<b>Management of significant species or ecological communities</b>						
Area (hectares) of habitat management	1882.6			1882.6		
<b>Significant pest plant control</b>						
Area (hectares) of pest plant control	37		80	20152		80
<b>Soil management</b>						
Area (hectares) treated for soil erosion			19			19
Area (hectares) of soil treatment for other than erosion, salinity or acid sulfate soils	27			74		
<b>Salinity control measures</b>						
Area (hectares) of land treated for rising groundwater through surface or sub-surface drainage				250		
<b>Water use efficiency</b>						
Number of land managers using on-farm water saving practice by drainage diversion	614			614		

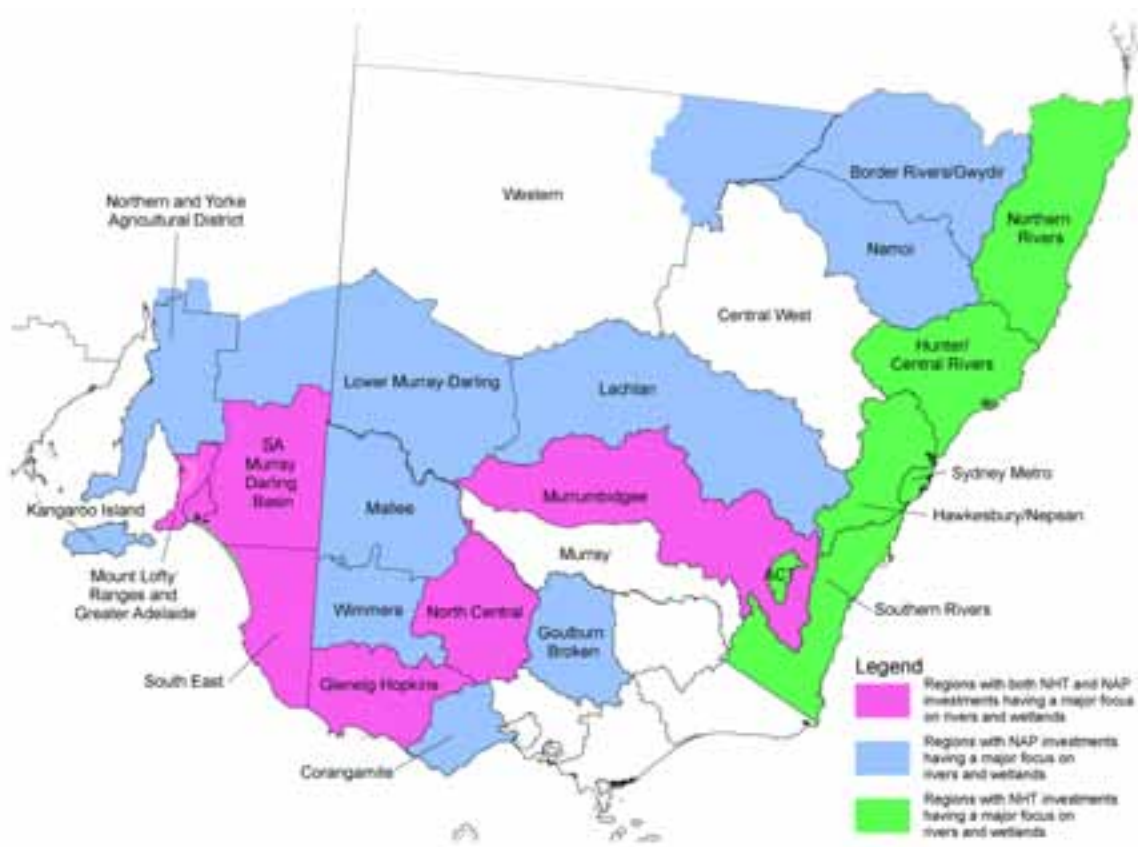
## 5.2 REGIONAL INVESTMENTS HAVING A MAJOR FOCUS ON RIVERS AND WETLANDS

### Approvals and reported expenditure

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Funding through regional investment strategies based on accredited regional plans commenced after 30 June 2003. Investment strategies based on accredited regional plans have been approved for regions in the Australian Capital Territory, New South Wales, South Australia and Victoria. Up to 30 June 2004, investments having a major focus on rivers and wetlands total approximately \$31m. Figure 5.2.1 shows the regions having a major focus on rivers and wetlands through this funding. Table 5.2.1 and Table 5.2.2 respectively show the approved funding and the reported expenditure by region through its investment strategy.

**Figure 5.2.1** Regions with regional investments having a major focus on rivers and wetlands



**Table 5.2.1** Regional investments having a major focus on rivers and wetlands approved to June 2004\*

State	Region	2003-04 Approvals (\$)		Total Approvals to June 2004 (\$)	
		NAP	Trust	NAP	Trust
Australian Capital Territory	Australian Capital Territory		110,500		110,500
New South Wales	Border Rivers - Gwydir	407,157		407,157	
	Hawkesbury - Nepean		484,000		484,000
	Hunter - Central Rivers		80,000		80,000
	Lachlan	1,153,000		1,153,000	
	Lower Murray Darling	1,414,993		1,414,993	
	Murrumbidgee	1,100,000	559,000	1,100,000	559,000
	Namoi	1,743,501		1,743,501	
	Northern Rivers		250,000		250,000
	Southern Rivers		200,000		200,000
	State-wide	57,000	135,000	57,000	135,000
	Sydney Metro		135,000		135,000
	Western	1,382,000		1,382,000	
South Australia	Kangaroo Island	16,500		16,500	
	Mount Lofty Ranges	485,334	108,000	485,334	108,000
	Northern and Yorke Agricultural District	67,650		67,650	
	SA Murray Darling Basin	3,795,000	125,000	3,795,000	125,000
	South East	440,000	106,675	440,000	106,675
Victoria	Corangamite	1,911,000		1,911,000	
	Glenelg Hopkins	2,743,000	61,200	3,560,900	61,200
	Goulburn Broken	4,675,000		4,675,000	
	Mallee	3,097,110		3,097,110	
	North Central	1,550,000	130,000	1,550,000	130,000
Wimmera	1,750,200		1,750,200		
<b>Total</b>		<b>27,788,445</b>	<b>2,484,375</b>	<b>28,606,345</b>	<b>2,484,375</b>

\* Figures reflect Australian Government and State/Territory Government approvals for NAP and only Australian Government approvals for the Trust. State/Territory Government cash and in-kind funding for the Trust is not included.

**Table 5.2.2** Reported expenditure for regional investments having a major focus on rivers and wetlands

State	Region	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 04		July 03 - March 04		Total to March 04	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
New South Wales	Border Rivers - Gwydir	126,759		126,759					
	Hunter - Central Rivers		85,000		85,000				
	Lachlan	520,500		520,500					
	Lower Murray Darling	1,287,943		1,287,943					
	Murrumbidgee	550,000	279,500	550,000	279,500				
	Namoi	270,326		270,326					
	Northern Rivers		171,000		171,000				
	Southern Rivers		150,000		150,000				
	Sydney Metro		24,190		24,190				
	Western	272,026		272,026					

State	Region	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 04		July 03 - March 04		Total to March 04	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Victoria	Corangamite	1,911,000		1,911,000		843,207		843,207	
	Glenelg Hopkins	2,743,000	61,200	3,560,900	61,200	2,091,927	45,900	2,369,085	45,900
	Goulburn Broken	4,675,000		4,675,000		3,422,250		3,422,250	
	Mallee	3,097,110		3,097,110		575,234		575,234	
	North Central	1,550,000	130,000	1,550,000	130,000	798,750	82,500	798,750	82,500
	Wimmera	1,750,200		1,750,200		261,014		261,014	
<b>Total</b>		<b>18,753,864</b>	<b>900,890</b>	<b>19,571,764</b>	<b>900,890</b>	<b>7,992,382</b>	<b>128,400</b>	<b>8,269,540</b>	<b>128,400</b>

## Activities and achievements

### Funded activities

Funding for the types of activities having a major focus on rivers and wetlands through regional investments by the NAP and the regional component of the Trust, is shown in Table 5.2.3.

**Table 5.2.3** Types of activities supported by regional investments having a major focus on rivers and wetlands

Activity Type	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
	July 03 - March 04		Total to March 04		July 03 - March 04		Total to March 04	
	NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Resource assessment	4,433,202	64,190	4,940,802	64,190	1,313,335		1,421,250	
Planning	437,160		609,460		151,922		291,480	
Capacity building	428,500	60,000	428,500	60,000	244,335		244,335	
On-ground activities	13,455,002	776,700	13,593,002	776,700	6,282,790	128,400	6,312,475	128,400
<b>Total</b>	<b>18,753,864</b>	<b>900,890</b>	<b>19,571,764</b>	<b>900,890</b>	<b>7,992,382</b>	<b>128,400</b>	<b>8,269,540</b>	<b>128,400</b>

Funding for regional investment activities having a major focus on rivers and wetlands is described in Table 5.2.4.

**Table 5.2.4** Funding for regional investment activities having a major focus on rivers and wetlands

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
<b>New South Wales</b>									
Border Rivers - Gwydir	Developing Essential Riverine Ecosystem Resources for the Border Rivers/Gwydir	66,760		66,760					
	Riverine Monitoring Including Groundwater, Water Quality and Wetlands Monitoring	59,999		59,999					
Hunter - Central Rivers	Rehabilitation of Priority Degraded Wetlands		85,000		85,000				
Lachlan	Enhancement of Aquatic Habitats	100,000		100,000					
	Increased Water Use Efficiency	158,000		158,000					
	Management of Riparian Vegetation	262,500		262,500					
Lower Murray Darling	Menindee Lakes EIS	1,101,893		1,101,893					
	Water Quality and Thegoa Lagoon Management	130,950		130,950					
	Wetland Rehabilitation	55,100		55,100					
Murrumbidgee	Aquatic Biota Enhancement		279,500		279,500				
	Riparian Restoration	550,000		550,000					
Namoi	Benefit Cost Analysis (Riverine)	10,000		10,000					
	Education, Awareness and Communication (Riverine)	42,000		42,000					
	Facilitation and Coordination (Riverine)	40,000		40,000					
	Groundwater Flow Investigations	25,000		25,000					
	Monitoring and Evaluation (Riverine)	10,000		10,000					
	Monitoring at the Sub-catchment Level	10,000		10,000					
	Property Planning to Address Water Quality	13,000		13,000					
	Riverine Condition Assessment Index	25,000		25,000					
	Technical Support and On-Ground Works (Riverine)	40,781		40,781					
	Urban Water Use Efficiency Incentives	54,545		54,545					
Northern Rivers	Development and Promoting Adoption of Best Management Practice for Water Quality		60,000		60,000				
	Everlasting Swamp Hotspot Implementation		36,000		36,000				
	River Rehabilitation - Implementation and Capacity Building		45,000		45,000				
	Streambank Rehabilitation Planning and Implementation		30,000		30,000				

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Southern Rivers	Bombala River Rehabilitation		20,000		20,000				
	Mataganah Community River Rehabilitation Project		30,000		30,000				
	Riparian Investment Priority Mapping Stage 1		40,000		40,000				
	Stream and Wetland Management (Wetlands Component)		60,000		60,000				
Sydney Metro	Sydney Harbour Riverine Corridor Ecology		24,190		24,190				
Western	Accelerate Cap and Pipe the Bores Program	35,000		35,000					
	Aquatic Habitat Improvement Program	60,000		60,000					
	Monitoring the Impact of Water and Salinity	77,000		77,000					
	Riparian Zone Management Program	56,026		56,026					
	Wetlands Identification and Protection	44,000		44,000					
<b>Victoria</b>									
Corangamite	Basalt Plains Project Groundwater Flows Systems (GFS) Project Stage 1	200,000		200,000					
	Borrel-a-Kandelop	150,000		150,000		56,250		56,250	
	Lake Connewarre and Lower Barwon River Project Coordination and Management	350,000		350,000		222,600		222,600	
	Lake Corangamite northern tributaries and private wetlands restoration plan	200,000		200,000		99,000		99,000	
	Moorabool River Catchment Restoration Program	100,000		100,000		45,000		45,000	
	Retreat Creek Restoration Plan	125,000		125,000					
	River Health and Waterway Management - Undertake 5-year waterway condition reporting	50,000		50,000		37,500		37,500	
	Stressed Rivers Water Resource Management	50,000		50,000		37,500		37,500	
	Upper Barwon River Catchment Project (Upper Barwon Landcare Network).	78,000		78,000		30,000		30,000	
	Waste Water Reuse Investigation for Torquay	30,000		30,000		11,250		11,250	
	Woody Yallock River Catchment Management Plan	78,000		78,000		52,500		52,500	
	Wormbete Creek Restoration Plan	350,000		350,000		142,857		142,857	
Yarrowee/Leigh River Restoration and Awareness Program	150,000		150,000		108,750		108,750		

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Glenelg Hopkins	AHD Survey of Bores in GH Region			40,000		30,000		30,000	
	Effects of Environmental Flows on Spawning Success of resident Black Bream			60,000		45,000		45,000	
	Environmental Flows Program for Upper Glenelg River	212,000		212,000		143,730		143,730	
	Groundwater extraction feasibility			160,000		77,647		77,647	
	Groundwater Flow Systems research for target setting	450,000		450,000		330,128		330,128	
	Habitat and water quality requirements for the Glenelg Spiny Crayfish and Glenelg Freshwater Mussels			24,000		18,000		18,000	
	Hamilton Urban Stormwater wetland	416,400		416,400		230,048		230,048	
	Incremental value in investing in river health			28,000		9,380		9,380	
	Lower Glenelg Basin - Water and Land Use Change Study			108,000		80,864		81,015	
	Lower Hopkins Basin - Quantification of future groundwater changes on the Basalt Plains			57,600		11,700		53,700	
	Overcoming Limitations of delivering environmental flows to the Glenelg River			60,000		36,177		47,941	
	Protect and enhance G10-Wannon River-Dwyers Creek to Falls Sub-catchment river reaches		61,200		61,200		45,900		45,900
	Protection and enhancement of G6 Glenelg River - Grampians headwaters	54,000		54,000		14,273		14,273	
	Protection and enhancement of H11 Upper Fiery Creek sub catchment reaches	48,000		48,000		26,843		26,843	
	Quantification of future changes in groundwater changes on Basalt Plains	150,000		150,000		106,823		106,823	
	Regional Programme - Water Quality Plan			18,000		13,500		13,500	
	Regional Programme -waterways community education			97,300		24,556		89,114	
	Regional Waterwatch Coordinators for Glenelg Hopkins (1.7 FTE) - NHT funded	216,500		216,500		158,835		158,835	
	Sand Slug Management in the Glenelg River system	719,500		719,500		423,030		423,030	
	Water quality co-ordination and governance			75,000				75,000	
	Water Quality monitoring and evaluation project	102,000		102,000		58,140		58,140	
Water Quality Program - Best practice management for dairy effluent	374,600		374,600		252,030		252,030		
Waterwatch Programme Implementation			54,000				54,000		
Waterway partnership in the Dundas Tablelands			36,000		1,223		30,908		

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Goulburn Broken	Cornella Creek (WQ Improvement)	100,000		100,000		75,000		75,000	
	Developing Environmental Water protocols for major wetlands	50,000		50,000		37,500		37,500	
	Protection of Heritage Rivers	111,000		111,000		83,250		83,250	
	Research and Development - new	100,000		100,000		75,000		75,000	
	Riparian Lands (Protection & Enhancement)	488,000		488,000		366,000		366,000	
	Sub-catchment Plans - review of the Broken Creek Strategy	50,000		50,000		37,500		37,500	
	Sub-surface Water Management	1,195,000		1,195,000		896,250		896,250	
	Surface Water Management	2,218,000		2,218,000		1,663,500		1,663,500	
	Urban Water Quality Strategy	13,000		13,000		9,750		9,750	
	Water for the Future	200,000		200,000		70,500		70,500	
	Water Quality Coordination	40,000		40,000		25,500		25,500	
	Waterwatch & Water quality monitoring	90,000		90,000		67,500		67,500	
	Waterwatch & WQ Monitoring	10,000		10,000		7,500		7,500	
	Waterwatch water quality monitoring	10,000		10,000		7,500		7,500	

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Mallee	Construction of operating structures on priority wetlands and waterways to manage Murray River environmental flows	120,000		120,000		3,641		3,641	
	Decision support for the placement of high water use options	170,000		170,000		28,500		28,500	
	Distribution of threatened and exotic aquatic vertebrate species within the CMA region	72,000		72,000		47,253		47,253	
	Further researching water quality in the Mallee	288,750		288,750		125,279		125,279	
	Improving Groundwater Management	661,500		661,500		36,046		36,046	
	Improving Water Use Efficiency through 'Buying Drainage Water out of Existence' and capacity building for Best Management Practice along the River Murray	827,850		827,850		104,919		104,919	
	Land information planning and management	70,000		70,000		9,034		9,034	
	Mallee Waterwatch	49,500		49,500		37,125		37,125	
	Native fish recruitment on Lindsay Island	175,000		175,000		80,250		80,250	
	Research and Development Activities to Enhance Increases in WUE and adoption of BMP	237,510		237,510		54,750		54,750	
	Victorian Mallee Salinity and Water Quality Management Plan - Water Quality Implementation 3) Program Coordination, research and education	20,000		20,000		8,944		8,944	
	Waterway Management Strategy Implementation 1.) Murray River Frontage Action Plan Implementation	245,000		245,000		19,282		19,282	
	Waterway Management Strategy Implementation 3.) Implementation of Waterway Management Action Plans at priority reaches	15,000		15,000		1,428		1,428	
	Waterway Management Strategy Implementation, 2.) Waterway Planning, Research, Investigation, Regulation & Education	20,000		20,000		10,733		10,733	
	Wetland Audit and Prioritisation Project	100,000		100,000		5,267		5,267	
Wetland Management Investigations and Implementation	25,000		25,000		2,786		2,786		

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
North Central	Biodiversity Action Plan Implementation: Goldfields Bioregion	50,000	130,000	50,000	130,000	33,750	82,500	33,750	82,500
	Index of Stream Condition	80,000		80,000		30,000		30,000	
	North Central Waterwatch	154,000		154,000		78,750		78,750	
	Protection of riparian zones in Water Quality and River Health high priority areas across the North Central Region	520,000		520,000		277,500		277,500	
	Regional Flow and Water Resource Management	50,000		50,000		18,750		18,750	
	Regional stormwater coordination	40,000		40,000		22,500		22,500	
	River Health Awareness project	20,000		20,000					
	Surface Water Management	200,000		200,000		112,500		112,500	
	Waterway Action Plans	36,000		36,000					
	Wetland Management	400,000		400,000		225,000		225,000	

Region	Activity Title	Budgeted Activity Expenditure (\$)				Reported Activity Expenditure (\$)			
		July 03 - March 04		Total to March 2004		July 03 - March 04		Total to March 2004	
		NAP	Trust	NAP	Trust	NAP	Trust	NAP	Trust
Wimmera	Determining the natural flow regimes of the terminal lakes	10,800		10,800		8,100		8,100	
	Encouraging sound riparian zone management to improve the health of the terminal lakes.	21,600		21,600		938		938	
	Establishing biolinks and buffer zones along the waterways and wetland of the Wimmera River.	216,000		216,000		19,757		19,757	
	Implementing sustainable water resource management and returning "natural" flow regimes to our waterways	190,000		190,000		53,673		53,673	
	Improving our knowledge of contributors to poor water quality in the Wimmera River Basin	70,000		70,000		51,496		51,496	
	Improving the quality of the water entering the terminal lake systems	12,000		12,000		578		578	
	Improving the water quality in our waterways and wetlands	156,000		156,000		19,418		19,418	
	Monitoring the health of the terminal lake system	10,800		10,800		8,100		8,100	
	Piping the Wimmera Mallee Stock and Domestic System – environmental flow study	56,200		56,200		7,068		7,068	
	Planning for better management of the terminal lakes system.	3,000		3,000		2,250		2,250	
	Priority wetland and waterway rehabilitation	108,000		108,000		4,686		4,686	
	Protecting our high value waterways, monitoring those at risk and restoring priority waterways	550,000		550,000		59,729		59,729	
	Strategic coordination of projects to improve waterway health	21,600		21,600					
	Supporting sound Local Government planning for improved water quality	5,400		5,400		616		616	
	Understanding the current condition of the wetlands and waterways in the Millicent Coast Basin and identifying the risks and threats and appropriate management action	162,000		162,000		12,203		12,203	
	Understanding the environmental, economic and social benefits of improved flow regimes	64,800		64,800		9,076		9,076	
	Water Quality Monitoring	92,000		92,000		3,326		3,326	
<b>Total</b>		18,753,864	900,890	19,571,764	900,890	7,992,382	128,400	8,269,540	128,400

## Achievements

The outputs, or products and services produced by these activities, are summarised in four tables according to the types of outputs described in Chapter 1. Summaries of the outputs related to resource assessment, planning, capacity building and on-ground activities are shown in Table 5.2.5, Table 5.2.6, Table 5.2.7 and Table 5.2.8.

**Table 5.2.5** Regional investment resource assessment outputs related to rivers and wetlands

Standard Output	July 03 - March 04			Total to March 04		
	NAP	Trust	Joint	NAP	Trust	Joint
<b>Investigations (survey, inventory and mapping and data analysis)</b>						
Number undertaken	3			3		
<b>Research and development studies</b>						
Number undertaken	1			1		

**Table 5.2.6** Regional investment planning outputs related to rivers and wetlands

Standard Output	July 03 - March 04			Total to March 04		
	NAP	Trust	Joint	NAP	Trust	Joint
<b>Improved practice codes or guidelines</b>						
Number developed	1			1		
<b>Integrated catchment or sub-catchment plans</b>						
Number developed	2	5		2	5	

**Table 5.2.7** Regional investment capacity building outputs related to rivers and wetlands

Standard Output	July 03 - March 04			Total to March 04		
	NAP	Trust	Joint	NAP	Trust	Joint
<b>Awareness raising activities</b>						
Number of demonstrations, field days, study tours and other non-training forums held	9			9		
Number of participants in person-days at demonstrations, field days, study tours and other non-training forums	64			64		
Number of brochures, newsletters, displays and other non-training products developed	7			7		
Number of media opportunities including websites developed	2			2		
<b>Facilitation motivation and support activities</b>						
Number of active positions (FTE) supported	1			1		
<b>Skills and training activities</b>						
Number of training sessions, workshops seminars and other events held	3			3		
Number of participants in person-days at training sessions, workshops seminars and other events	10			10		

**Table 5.2.8** Regional investment on-ground activities outputs related to rivers and wetlands

Standard Output	July 03 - March 04			Total to March 04		
	NAP	Trust	Joint	NAP	Trust	Joint
<b>Indigenous vegetation protected by fencing</b>						
Area (hectares) protected	25025.5			25025.5		
Length (km) of streambank protected	12.7			12.7		
<b>Indigenous vegetation enhanced/rehabilitated</b>						
Area (hectares) enhanced or rehabilitated	32.3			32.3		
<b>Revegetation with indigenous vegetation</b>						
Area (hectares) revegetated	117.8			117.8		
Length (km) of streambank revegetated	85.8			85.8		
<b>Riparian and waterway health</b>						
Length (km) of stream bank or stream bed stabilised	10			10		
Number of stream bank or stream bed structures installed	3			3		
Number of off-stream (alternative) watering sites installed	12			12		
<b>Wetlands health protected or enhanced</b>						
Area (hectares) of wetland protected or enhanced	35.25			35.25		
<b>Water use efficiency</b>						
Area (hectares) of land using improved irrigation practices	3370			3370		
Number of land managers using improved irrigation practices	50			50		

## Rivers and wetlands targets

### Resource condition targets related to approved investment activities

Rivers and wetlands targets are shown in Table 5.2.9.

**Table 5.2.9** Resource condition targets for rivers and wetlands

Region	Resource condition target
<b>Australian Capital Territory</b>	
Australian Capital Territory	By 2012, water quality and allocation in ACT controlled waters always meet or exceed the relevant standards in the Regulations of the Environment Protection Act 1997
<b>New South Wales</b>	
Border Rivers - Gwydir	By 2012, the average riverine ecosystem condition in the NSW Border Rivers catchment should increase from “31.5/50” to “34/50”, an 8% improvement
	By 2010, the Average Riverine Condition Assessment Index (RCA Index) across the whole Gwydir catchment should improve by at least 2 index points, whilst at the same time no individual sub-catchment should deteriorate in condition
Central West	By 2012, improve surface and groundwater system health across the catchment as measured by temperature to be maintained or restored to within 2 degrees Celsius of natural levels
	By 2012, improve surface and groundwater system health across the catchment as measured by flow regimes to meet the MDBC cap environmental flow rules and water sharing plans
Hawkesbury - Nepean	By 2012, improvement in river health is indicated by a higher rating at a minimum of 5 of the 9 AusRivAS sites currently rated as “well below reference” or “impoverished” and maintenance of the rating at each of the other 15 sites
	By 2012, water quality and river health indicators at 6 representative river regions will meet the Healthy Rivers Commission (1998) water quality objectives in base flow

Region	Resource condition target
Hunter - Central Rivers	Improve aquatic health in priority areas by 2012. To be measured by: a) macro invertebrate populations b) net gain in priority areas of at least 185 km (370 ha) of native riparian/littoral vegetation by 2012
	By 2012, achieve a 10% reduction in total phosphorus in high priority rivers and no increase in other river systems based on the 80th percentile results measured at the freshwater end of system monitoring points
Lachlan	By 2012, maintain and/or restore the health and function of the surface water and groundwater systems by surface flow regimes that seek to mimic natural conditions while providing defined resource access for water users
Lower Murray Darling	An identifiable net improvement in riverine health across the LMD catchment by 2012 determined by an improvement in the native to introduced fish ratio
	An identifiable net improvement in riverine health across the LMD catchment by 2012 determined by the re-instatement of more natural flow patterns as modeled in each of five river management zones
	An identifiable net improvement in riverine health across the LMD catchment by 2012 determined by a 20% reduction in the number of days subject to blue green algal alerts
Namoi	By 2010, have a 5% improvement in the average Riverine Assessment Index for riverine condition with no deterioration in the current state of any sub-catchment
Northern Rivers	Rehabilitate and protect the stream health (structure/riparian/ vegetation/flow) of 60% of stream length in all identified streams, in priority sub-catchments by 2012
	Stress classification lowered by at least one management category in 80% of priority sub catchments by 2012
	By 2012 improve key indicators of stream health to the extent identified in each Management Target
Southern Rivers	By 2012, river flow objectives will be met in the 24 priority catchments and the health indicators (including water quality) in priority rivers; coastal areas and estuaries will be improved by a minimum of 10%
	By November 2012, each priority stream within the Southern Catchment will meet river flow objectives and water quality objectives for at least 80% of the time
Western	The Surface Water System Health Index Rating and the Groundwater System Health Index Rating improved at 60 % of relevant monitoring sites and maintained at all other monitoring sites by 2010
South Australia	
Aboriginal Lands	Core areas of major biodiversity significance protected, with key indicators showing stable or improving trends
	Key indicator species of native plants and animals and key health indicators for soil and water consistently showing stable or improving trends by 2015
	The use of ground and surface waters demonstrated to be within sustainable limits by 2015
Eyre Peninsula	Water regimes restored to a level sufficient to sustain significant dependent ecosystems throughout the region and to provide required water supplies within sustainable limits to community and industry, with clear targets established by 2006.
	All 24 identified wetlands and other water dependent ecosystems protected and have appropriate water flow regimes to maintain ecosystem processes by year 2020.
	Reduction in average and peak nutrient loads (N&P), turbidity and salinity levels in surface waters throughout the region with clear targets established by 2006

Region	Resource condition target
Kangaroo Island	Progressive improvement in river health as measured by key biological indicators with resource targets determined by June 2006
	The use of water resources below sustainable limits throughout the region with clear regional targets by June 2007
	A 50% reduction in the area (ha in 2002) of bare scalded salt land by the year 2010
	A progressive improvement in the condition and sustainability of water dependent ecosystems through restoration of water regimes with clear regional targets established by June 2004
	50% of soils managed to maintain optimal soil nutrient levels suitable for agricultural production by 2020
	Average and peak levels of nutrients and turbidity in marine waters adjacent to townships and watercourse outflows no more than 10% above normal background levels by 2015
	Progressive reduction in contamination of water resources as measured by key condition indicators/target parameters with targets determined by June 2006
	To halt the rise of saline groundwater in the region by 2020
	Progressive increase in the native vegetation cover in fragmented habitat & threatened habitat areas, with clear targets established by June 2004
Mount Lofty Ranges	To progressively reduce the level of in stream salinity in priority catchments and sub catchments: with clear targets (for priority catchments and salinity reductions) determined by June 2006
Rangelands	Water resources managed sustainably for all users, while maintaining or enhancing the condition (where appropriate) of water dependent ecosystems by 2013. Supply and allocation targets established as part of this INRM Plan are in place by 2010
	No further loss of threatened communities, populations or species and a measurable population increase by 2014
	Strategic planning and policy framework established to manage biodiversity and important habitat areas by 2007
	Review of research and data collation needs to improve the understanding and sustainable use of water resources in the Rangelands
	Protect and improve water resources to maintain water quality and water regimes by 2013 by meeting quality targets established as part of this INRM Plan and in place by 2006
	No net loss (extent and condition) of remnant vegetation communities and an increase in areas managed to enhance habitat quality by 2014
	Point and diffuse source pollution risks to surface and groundwater resources identified by 2005 and control targets developed and implemented by 2007
	Review of research and data collation needs to improve biodiversity management and prevent further habitat loss or ecosystem modification, completed by 2006
SA Murray Darling Basin	30% of flow maintained in watercourses of EMLR to sustain ecosystem function by 2020
	The E.coli count in the River Murray is to be less than or equal to 150 ec/100mL for 90% of the time by 2020
	By 2020, improve the habitat in all waters to permit successful recruitment of native fish, particularly Murray Cod, resulting from natural or manipulated flows
	Maintain and improve the condition of 60% of the littoral zone of high priority and significance by 2020
	The Murray mouth open 100% of the time through fresh water outflows and adequate tidal variation to meet the needs of Coorong ecosystems
South East	Restore 1000 ha of wetland habitat by 2008
	Continue protection and maintenance of the ecological values of Ramsar and World Heritage areas in the South East until 2006 and beyond
	No net adverse impacts on the receiving land or water resource from waste water reuse or disposal by 2020 compared to 2002 standards
	Maintain or improve groundwater quality within beneficial use categories by 2020 and beyond
	Current and predicted trends in the salinity of groundwater in the unconfined aquifer used for productive purposes remain within acceptable levels by 2011 and beyond
	The condition of 30 priority areas of remnant vegetation of threatened ecosystems, vegetation associations and important wetlands improved by 2010

Region	Resource condition target
Victoria	
Corangamite	Develop a process to identify and establish Resource Condition Targets for community participation by 2004
	By 2010, all Corangamite region priority waterways condition is maintained to 2003 condition
	The natural flow regimes of estuaries in undeveloped areas are maintained at 2003 levels
	RAMSAR lakes and wetlands to meet at least the minimum RAMSAR requirements by 2010
	Maintain and where possible improve flow regimes in all river systems by 2010
Glenelg Hopkins	In the Hopkins Basin, the total stream length in good to excellent condition will increase from 0% to 10%
	In the Portland Coast Basin, the total stream length in good to excellent condition will increase by 20%
	In the Glenelg Basin, the total stream length in good to excellent condition will increase by 50%
	In each of the three Basins there will be less than 10% of reaches in poor or very poor condition
	There will be no regional decrease in stream length in good to excellent condition
Goulburn Broken	Improve condition of 1,200 km of streams at 2003 levels by one ISC rating (riparian zone and channel form sub-indices) by 2013
	Maintain condition of 1,400 km of streams at 2003 levels, as measured by ISC (riparian and channel form sub-indices)
	Improve 50km of instream diversity and habitat values by 2013, as measured using ISC for improving habitat features
	Increase length of river accessible to native fish by 200km by 2013
Mallee	A yet to be determined increase in the length of waterways and riparian areas in excellent or good condition as defined by international, national and state criteria
	A yet to be determined increase in the length of waterways and riparian areas in excellent or good condition as defined in the Regional River Health Strategy
	A yet to be determined improvement in the ecological health of floodplain and wetland ecosystems through improved water management and floodplain linkages
	A net reduction in damage to ecological processes caused by salinity, groundwater, nutrients and altered flooding regimes
	A yet to be determined increase in the length of riparian areas subject to cooperative management agreements
	All waterways improved in at least one rating in the measurement of riparian condition
	A yet to be determined increase in the number of monitoring sites meeting SEPP and MDB
	A medium term (20 years) nutrient reduction achieved of 40-50% of Total N and Total P
No decline in populations for a yet to be determined % of rare or threatened species	
North Central	Reduce the percentage of the irrigated area subject to water logging losses due to inadequate surface water management to zero and increase the area served by adequate surface water management (including on-farm systems) to 100% by the year 2023
	Clear understanding of natural resource management roles and responsibilities of regional stakeholders and improved partnerships in project planning, resourcing and delivery
	A community that is actively engaged in natural resource management processes and equipped to implement landscape change by 2012
	An increase of 300 km in the length of rivers in excellent or good condition, as assessed by the Index of Stream Condition (ISC)
	Improvement in condition of high environmental value wetlands, as measured by the Index of Wetland Condition (in development)
	Reduce long term average annual economic losses due to flooding by 25%, relative to the no-intervention scenario
	Improvement of one point in ISC riparian condition score for at least 500 km of stream length
	No further decline in the extent of wetlands within the region
	Overall improvement in ISC rating of 1000 km of streams

Region	Resource condition target
Wimmera	Improvement in the 'stability condition' of high value stream reaches rated as moderate by the Draft Wimmera Waterway Management Strategy protected or returned to good condition
	All stream reaches identified as being of high value and in good condition in the Draft Wimmera Waterway Management Strategy be protected by 2020
	The provision of appropriate flow regimes to sustain waterway health in the streams and wetlands of the Wimmera River Basin by 2020
	The provision of appropriate flow regimes to sustain waterway health in the streams and wetlands of the Wimmera River Basin by 2020
	No net loss of extent and distribution of wetlands in the Millicent Coast Basin by 2020
	Determine targets to control invasive species to protect wetlands and streams by 2004
	10 % of wetlands on private land in the Millicent Coast basin are protected by 2025
	A 33 per cent reduction in total phosphorus levels in the terminal lakes by 2030
	A 33% reduction in total phosphorous levels in the Millicent Coast basin by 2030
	A 33% reduction in total phosphorous levels in the Wimmera River by 2030
	A 60% reduction in algal blooms in the Millicent Coast basin waterways
	A 60% reduction in algal blooms in the Wimmera River basin waterways
	No net loss of native biodiversity in the terminal lakes by 2020
A 60 per cent reduction in algal blooms in the terminal lakes	

## Management action targets related to approved investment activities

Accredited regional plans detail management action targets having a major focus on rivers and wetlands. Management action targets are shown in Table 5.2.10.

**Table 5.2.10** Management action targets related to rivers and wetlands

Region	Management action target
Australian Capital Territory	
Australian Capital Territory	By 2013, a 12% reduction in mains water usage per capita, and a 25% reduction by 2023 (compared with 2003) achieved through water efficiency, sustainable water recycling and the use of stormwater and rainwater
	Environmental flow allocations that meet the needs of aquatic ecosystems
	Water quality in ACT waters always meet or exceed the relevant standards in the Regulations of the Environment Protection Act 1997 (which includes standards for turbidity, total dissolved solids, electrical conductivity and nutrients)
New South Wales	
Border Rivers - Gwydir	Control stream bank erosion, bed lowering and sedimentation
	Greater community awareness and understanding of natural resource and environment management issues in the Border Rivers creating a greater community capacity
	Maintain water quality standards
	Maintenance of condition and extent of existing native riparian vegetation within the riparian zone
	Maintenance of water quality to sustain ecosystem function of riverine environments
	No nett increase in rate of streambank erosion, bed lowering and sedimentation
	Protection of native aquatic biodiversity
Central West	By 2012, improve the diversity of in-stream habitat within 20% of streams identified as having poor-moderate habitat ratings
	By 2012, maintain the extent and health of nationally listed and regionally significant wetlands within the landscape
Hawkesbury - Nepean	By 2012, protect all riverine vegetation and watercourse buffers from degradation or loss, and establish a system of riparian corridors
	Maintain existing native riparian vegetation along all riparian zones within the catchment and by 2012, improve the ranking of the condition of 188km and 376ha of streambank from 'good' to 'near intact'

Region	Management action target
Hunter - Central Rivers	100% of priority degraded wetlands are rehabilitated by 2012 and there is no loss in the extent and quality of all other wetlands
Lower Murray Darling	Develop one floodplain management plan for four river management zones of the catchment, and implement actions for one zone by 2012
	Manage, modify or remove river and lake regulating structures in order to minimise stratification, improve water quality and facilitate fish passage by 2012
	Priority areas for targeted rehabilitation of fish habitats identified and mapped by 2004 and action plans developed and implementation commenced in 40% of priority areas by 2012
	Reduce the level of discharge of major urban stormwater and irrigation drainage outfalls that discharge directly to the river, improve the content of discharge through treatment prior to discharge by 2012
	Re-instate more natural wetting and drying processes within priority areas of the Lower Murray Darling Catchment including Euston Lakes, parts of the Menindee Lakes System, Thegoa Lagoon and Great Darling Anabranch Wetlands
Murrumbidgee	By 2012, assist land managers and communities to improve native vegetation condition in 90% of the floodplain billabongs to restore their natural capacity to filter sediment
	By 2012, assist land managers and communities to protect and enhance 1500 km of stream bank using native riparian vegetation for bank stabilisation and run-off filtration
Namoi	By 2010, establish 100 km of native riparian vegetation along both banks of rivers, streams and wetlands in areas of high recovery potential to improve riverine ecosystem health
	By 2010, reduce structural degradation of streams by using environmentally sympathetic engineering solutions at 50 strategic locations
	From 2002, manage all riparian vegetation along all rivers, streams and wetland areas in the Namoi to maintain riverine ecosystem health
Northern Rivers	Flow management implemented across priority sub-catchments by 2002, and across all remaining sub-catchments by 2007
	Identify future priority sub-catchments through an assessment of stream health and increase community capacity across the Board area to achieve river health targets by 2007
Southern Rivers	By 2007, water sharing plans for Kangaroo River, Shoalhaven River Scheme, Minnamurra River and Broughton Mill Creek will be completed in accordance with the Water Management Act 2000 and the Interim River Flow Objectives
	By 2012, 80% of actions are implemented from existing flood plain management plans
	By 2012, all wetlands in the South East region are mapped and rapid assessment of current status and management priorities are completed; and the 25 top priority wetlands will be fenced and managed
	By 2012, the length/area of riverine corridors and wetlands protected and/or rehabilitated will increase
Sydney Metro	By 2012, water quality in all waterways will meet ANZECC 2000 guidelines for the main environmental values for at least 80% of the time
	By 2005, achieve no net loss of natural water courses which is consistent with the NSW State Rivers and Estuary Policy
	By 2006, programs and planning are in place to ensure a measurable net annual increase in adequate buffer/riparian areas along waterways, watercourses and wetlands (including seagrasses, saltmarsh and mangroves)
	By 2012, management strategies for maximising natural values for all watercourses have been developed and are being implemented
South Australia	By 2013, implement environmental flows and sustainable water sharing for all surface and groundwater systems including wetlands and areas subject to mining
	Develop integrated plan for protection of rock-holes, springs & other water sources by June 2005
	Develop management plans for overgrazed areas near water-points by June 2006
	Develop regional enterprise development strategies (re tourism & other opportunities) for Aboriginal managed lands by June 2006
	Promote alternative options for water supply where current resources are inadequate or at risk by June 2007
	Review adequacy of water regimes at culturally important sites by June 2006
Aboriginal Lands	Studies of ground water resources of the North-West Lands by June 2007

Region	Management action target
Eyre Peninsula	1 GL of water saved as a result of improved efficiencies of water use by 2007
	11 wetlands of national significance and other priority water dependent ecosystems protected and managed by 2010
	2 GL of water reuse by industry and community by 2007
	2000 km of priority riparian areas protected and rehabilitated to mitigate erosion and nutrient/ sediment ingress to surface waters by 2010
Northern and Yorke Agricultural District	Comprehensive planning basis in place for coastal, estuarine & marine biodiversity by December 2005
	Implement priority actions from salinity plans to address RCTs by December 2007
	Increase in the number of properties sustaining and enhancing soil health and limiting onset of acidification with clear targets by December 2004
	Mechanisms in place for no further fragmentation of native vegetation by December 2005
	Processes in place to ensure that Indigenous cultural values & assets are subject to appropriate risk assessment & protection by December 2004
	Water use within sustainable limits throughout the region by June 2007
Rangelands	All incidences of conflicting land use on water resources identified by 2006 and guidelines to manage impacts developed and adopted by 2008
	Appropriate legislative, administrative and strategic planning framework established to protect and/or improve water quality by 2007
	Inadequate, damaged or inefficient water supply and distribution infrastructure, including uncontrolled GAB bores, replaced or removed by 2007
	Institutional, legislative, and administrative frameworks established for sustainable water resource use and management by 2007
	Point and diffuse source pollution risks to surface and groundwater resources identified by 2005 and control targets developed and implemented by 2007
	Review of research and data collation needs to improve the understanding and management of water quality issues in the SAR, completed by 2006
	Review of research and data collation needs to improve the understanding and sustainable use of water resources in the SAR, completed by 2008
	Strategic planning and policy framework developed and adopted to manage water resource use in a consistent, coordinated and sustainable manner by 2007
SA Murray Darling Basin	All local councils within the INRM region having prepared stormwater management plans by 2005
	By 2006, to have increased the area of priority native vegetation protected, conserved and managed in Heritage Agreements and DEH reserves to over 2,000ha
	By 2006, to have re-established 950ha of native vegetation to provide viable habitat and links between vegetation and habitat fragments in priority areas
	Implementation of new activities by mid2004 to fill important gaps in monitoring natural resources
	To contribute to the protection and enhancement of 10,000 ha of native vegetation by 2006
	To have completed a biological survey of the River Murray corridor including the river system by 2005
	To have defined water quality objectives and targets based on environmental values by 2004
	To have developed and be implementing multi-species coordinated conservation and recovery plans by 2006
	To implement 20 newly accredited wetland management plans in priority areas along the River Murray by 2006
	To implement a wastewater reuse strategy by 2004
	To restrict stock access to 25% of riparian zones in priority areas by 2006

Region	Management action target
South East	Assess groundwater sensitive wetlands to develop and adopt strategies for protection by 2006
	At least 50% of agriculturally generated effluent managed in a manner that meets industry standards by 2005
	Develop and implement a plan for capacity building to support planning and action on priority natural resource management issues by December 2005
	Develop and implement an assessment and classification system to enable the monitoring and evaluation of the health of wetland ecosystems by 2005
	Develop education and interpretation programs to increase engagement of students, land managers and the public in biodiversity programs by 2007
	Identify at least 2 practices that may have had an adverse impact on the receiving land or water resource from waste water reuse or disposal and implement a water reuse program by 2008
	Identify risks and develop a strategy to minimise the contamination to the unconfined aquifer from the waste stream of industrial enterprises, wastewater and stormwater disposal, and agricultural practices by 2007
	Improvement in the experience, knowledge and support of visitors to Ramsar wetlands through high quality education, presentation and facilities by 2005
	Inclusion of at least 2 priority wetlands in the NPW Act reserve system by 2006
	Nominate six wetlands for inclusion in the Directory of Important Wetlands in Australia by 2004
	Nominate two wetlands for inclusion on the List of Wetlands of International Importance for management under the Ramsar framework by 2006
Restore the hydrology of 3 drained swamps in the lower South East by 2008	
<b>Victoria</b>	
Corangamite	By 2005, identify and prioritise all flow-stressed rivers (including estuaries) in the Corangamite region
	By 2008, fence and revegetate an additional 300km of streams
	By 2008, increase fish passage in high priority reaches by 300km
	Establish and implement a partnership protocol with key coastal and marine agencies by 2004
	From 2003, 100km of streams to be willow-free by 2008
	From 2003, continually improve the capacity of water users in urban, industrial and rural communities to identify and implement options to reduce water consumption by at least 5% by 2008
	From 2003, fence and revegetate 100km of regional priority streams by 2008
	From 2003, improve cooperation between water authorities and local government for reduced water use and greater water reuse
	From 2003, stabilise gullies in an additional 200km of streams by 2008
	Stabilise the beds of 50km of high-risk streams by 2008

Region	Management action target
Glenelg Hopkins	Achieve nutrient level resource condition targets through implementing key actions from The Glenelg Hopkins CMA Nutrient Management Plan
	Achieve river health resource condition targets through implementing key actions from The Glenelg Hopkins CMA River Health Strategy
	Build and sustain partnerships and a cooperative approach to encourage the implementation, evaluation and review the Warrnambool, Moyne and Glenelg Coastal Action Plans. Coordinate and focus resources to support the implementation of actions.
	Build capacity and knowledge of industry and local government to plan and protect biodiversity, particularly threatened species and critical habitat
	Build partnerships with conservation groups, recovery teams, universities and museums to help preserve biodiversity
	Build regional capacity through development of partnerships and support mechanisms for other environmental groups
	Build regional capacity to manage soil issues through heightening awareness and increasing use of land degradation analysis
	Contribute to meeting biodiversity aspirational target through completing and implementing Action Statements and Recovery Plans for listed threatened species
	Facilitate ongoing regional implementation and project development in line with the Coast Action Coastcare program
	Meet aspirational target for coastal areas through developing and implementing individual Estuary Management Plans in accordance with the South West Estuaries Coastal Action Plan
	Meet aspirational target for coastal areas through facilitating regional implementation of the Victorian Coastal Strategy
	Meet aspirational target for coastal areas through implementing, evaluating and reviewing the South West Victoria Regional Coastal Action Plan
	Meet salinity resource condition targets through implementing key actions from The Glenelg Hopkins CMA Salinity Plan
	Meet soil and salinity aspirational targets through continuing to identify and manage soil erosion sites
	Move toward achievement of biodiversity aspirational target by building regional capacity through training and education programs to increase awareness of regional biodiversity assets, values and threats
	Raise community and landholder awareness of incentive programs
	Reduce the impact of the dairy industry on the health of the catchment through facilitating implementation of key actions from the Western Victoria Dairy Industry Natural Resource Plan
Goulburn Broken	Address terrestrial riparian habit loss by planting 2,000,000 native plants and revegetating 2400 km (1,200 ha) by 2013 with 600,000 plants planted by 2007
	Improve river flows of 20 flow-stressed high value rivers and 5 other rivers by 2013 with 5 high value rivers and 1 other river completed by 2007
	Manage 250 km of in-stream (waterway) and near stream (gully) erosion by 2012 with 125 km managed by 2007
	Manage 460 km of weed invasions in riparian and instream areas by 2013 with 150 km managed by 2007

Region	Management action target
Mallee	Appropriate monitoring and research undertaken to better understand natural flooding processes and ecological flooding requirements
	Cooperative management agreements developed for the protection and restoration of riparian land
	Improved knowledge of aquatic ecology and ecological processes developed to guide better regional decision-making
	Increased community awareness and involvement developed through programs such as the Murray River Frontage Action Plan project, Waterwatch and Riverwatch
	Maintain and develop Waterwatch program
	Plans developed and implemented to protect and meet obligations for nationally and internationally recognised wetland sites
	Plans developed for the adequate passage and migration of fish and other aquatic fauna
	Plans developed for the protection and repair of key components of aquatic and riparian habitat
	Regional Wetland Audit and Prioritisation Framework developed to guide future investment and to identify further sites for national or international recognition
	Riparian, waterway and wetland action plans completed and implemented for all remaining priority waterways and wetlands
	Waterway Management Strategy Implementation: 1) waterway planning, research and investigation, regulation and education
North Central	Agreed 5 year program under regional and sub regional Floodplain Management Plans implemented by 2008
	Delivery of Waterwatch and other educational programs supported from 2003
	Environmentally sensitive wetlands and waterways and flood plain areas for each local government areas identified by 2004. Planning controls with local government developed by 2005
	Kerang Wetlands and Gunbower Forest Ramsar sites strategic management plans implemented
	Management plans for all priority wetlands developed and /or implemented by 2006. Inventory and condition assessment and determine priorities for wetlands undertaken in mid and upper catchment areas by 2006
	Processes to improve integration between NCCMA strategies and local government planning schemes run by 2004 and outcomes incorporated into planning schemes.
	Proper floodplain function to lower catchment wetlands and floodplains affected by artificial banks and levees, as recommended in approved floodplain management plans restored by 2008
	Protocols Agreement for Indigenous Involvement in Land and Water Management implemented from 2003
	River Health Plans for the Loddon, Campaspe, Avoca and Avon-Richardson catchments developed by 2004. Four catchment plans, based on regional priorities from the Regional River Health Strategy implemented
	Stormwater management plans in all local government areas developed and implemented by 2008
	Stream flow management plans from upper Avon-Richardson, Avoca and Loddon catchments developed by 2004 and environmental flow allocation made by 2005
Wimmera	By 2007, the water quality of the wetlands and streams of the Millicent Coast Basin substantially conforms to relevant standards and guidelines
	By 2007, the water quality of the wetlands and streams of the terminal lakes substantially conforms to relevant standards and guidelines
	Fencing to protect 40 kilometres of waterway frontage from grazing annually
	Flow requirements of the terminal lakes determined by 2004
	Fully Implemented Management Plan for the Lake Albacutya Ramsar Site by 2007
	Identify priority wetlands for protection by 2004
	Include priority wetlands into planning schemes and Directory of Nationally important wetlands or Ramsar where appropriate by 2007
	Inclusion of wetlands and streams in relevant local government planning schemes by 2007
	Measure and monitor condition and extent of native aquatic and riparian flora and fauna by 2007
	Measure condition and extent of wetlands and streams in the Millicent Coast Basin by 2007
	Water resource management plans that include flow allocations for the environment are implemented: (a) Environmental Flow Study of the Wimmera River System; (b) Wimmera-Mallee Bulk Entitlements Environmental Flows Study