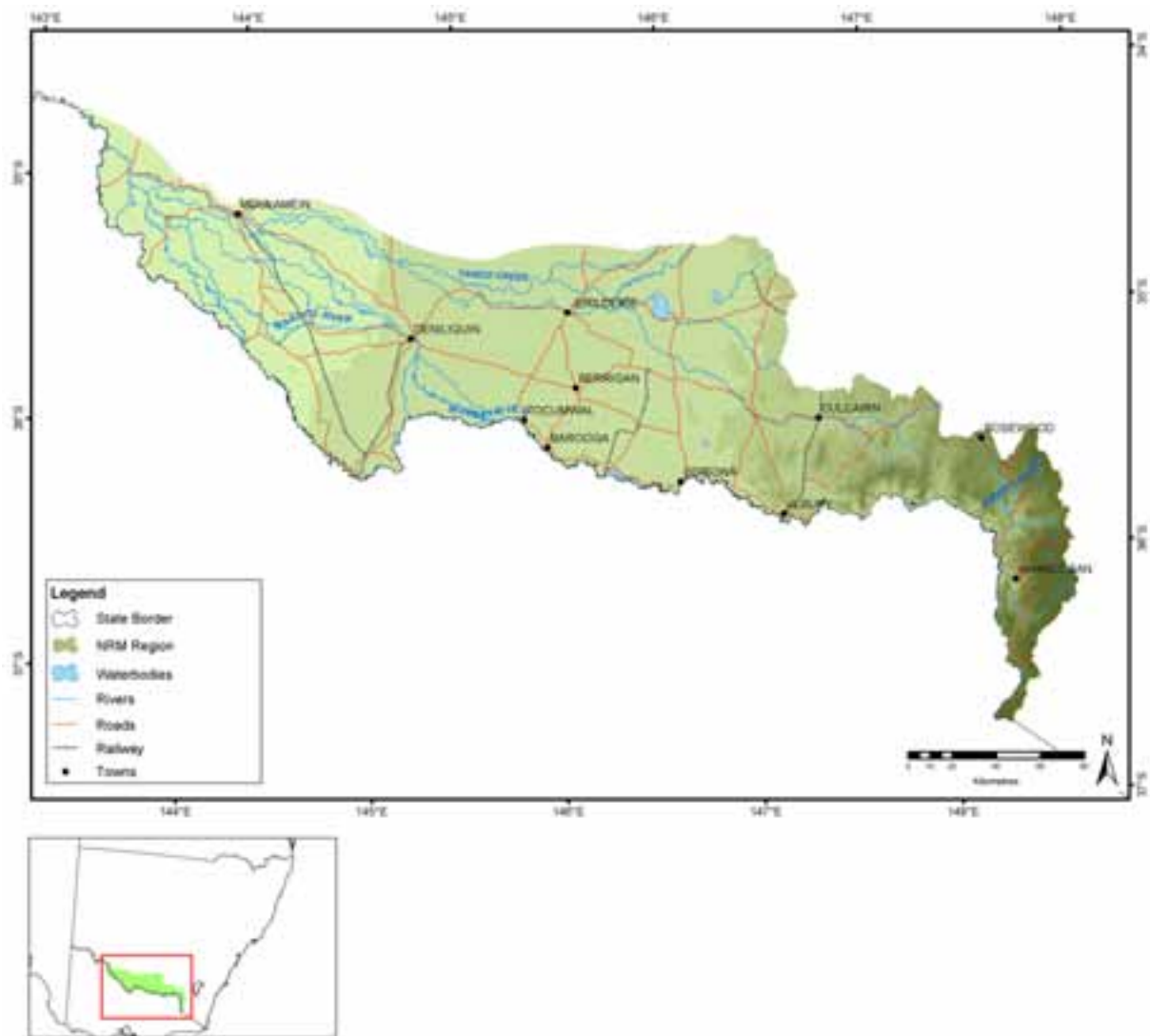


A2.7 MURRAY

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Administrative arrangements

Administrative Body: Murray Catchment Management Authority

Trust region: Murray

NAP region: Murray

Investment summary

Table A2.7.1 Joint Government approved investments for Murray*

Funding stream	2003-04 Approvals (\$)		Total Approvals to June 2004 (\$)	
	NAP	Trust	NAP	Trust
Priority action	521,400		9,951,330	1,151,083
Regional investment	9,619,594	277,000	9,619,594	277,000
Total	10,140,994	277,000	19,570,924	1,428,083

* 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 A2.7.2 Reported expenditure for approved investments in Murray

Funding stream	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
Priority action	341,400	442,000	9,747,330	442,000	9,326,586	276,308	9,391,156	276,308
Regional investment	4,654,620	191,000	4,654,620	191,000				
Total	4,996,020	633,000	14,401,950	633,000	9,326,586	276,308	9,391,156	276,308

Priority action investments

Expenditure

Table A2.7.3 Priority action funding having a major focus on matters for target in Murray

Matter for target	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
Land salinity	270,000		415,000		171,695		236,265	
Soil condition		228,000		228,000				
Rivers and wetlands			9,260,930		9,154,891		9,154,891	
Native vegetation		170,000		170,000		248,375		248,375
Significant native species		44,000		44,000		27,933		27,933
Other supporting activities	71,400		71,400					
Total	341,400	442,000	9,747,330	442,000	9,326,586	276,308	9,391,156	276,308

Table A2.7.4 Priority action funding for types of activities in Murray

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
Planning			9,260,930		9,154,891		9,154,891	
Capacity building	71,400		71,400					
On-ground activities	270,000	442,000	415,000	442,000	171,695	276,308	236,265	276,308
Total	341,400	442,000	9,747,330	442,000	9,326,586	276,308	9,391,156	276,308

Table A2.7.5 Priority action activities in Murray

Matter for target	Activities	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
Land salinity	Target Implementation of the Murray Catchment Blueprints Within the South West Slopes Management Unit	270,000		415,000		171,695		236,265	
Soil condition	On-ground Works for the South West Slopes Management Unit.		228,000		228,000				
Rivers and wetlands	Murray Land and Water Management Plans			9,260,930		9,154,891		9,154,891	
Native vegetation	Regional Seed-banks - Meeting the Demand for Revegetation		170,000		170,000		248,375		248,375
Significant native species	Active Management of Significant High Conservation Value Remnant Vegetation Areas for Biodiversity		44,000		44,000		27,933		27,933
Other supporting activities	Murray - Regional Facilitator and Coordinator	71,400		71,400					
Total		341,400	442,000	9,747,330	442,000	9,326,586	276,308	9,391,156	276,308

Achievements

Table A2.7.6 Outputs related to priority actions having a major focus on matters for target in Murray

Standard output	Land salinity		Soil condition		Rivers and wetlands		Nutrients in aquatic environments		Turbidity in aquatic environments		Surface water salinity		Native vegetation		Significant native species		Significant invasive species		Estuarine, coastal and marine		Other supporting activities	
	03-04	Total	03-04	Total	03-04	Total	03-04	Total	03-04	Total	03-04	Total	03-04	Total	03-04	Total	03-04	Total	03-04	Total	03-04	Total
Resource assessment																						
Research and development studies																						
Number of research and development studies undertaken					8	8																
Planning																						
Property management plans																						
Number of property management plans completed					582	582																
Capacity building																						
Awareness raising activities																						
Number of field days					26	26																
Number of study tours					4	4																
Number of newsletters developed					16	16																
Skills and training activities																						
Number of seminars held					34	34																
Number of other skills and training events held					2	2																
Number of participants at other skills and training events in person-days					284	284																
On-ground activities																						
Indigenous vegetation enhanced/rehabilitated																						
Area (hectares) of terrestrial indigenous vegetation enhanced/rehabilitated					410	410																
Revegetation with indigenous vegetation																						
Area (hectares) planted to terrestrial indigenous species					3	3																
Area (hectares) planted to riparian indigenous species					119	119																
Revegetation with exotic vegetation																						
Area (hectares) of terrestrial exotic perennial pastures					10,386	10,386																
Management of significant species or ecological communities																						
Area (hectares) of habitat management					1,883	1,883																
Water use efficiency																						
Number of land managers using on-farm water saving practice by drainage diversion					614	614																

Regional investment summary

Plan accredited by Ministers: September 2003

Investment strategy approved by Ministers: February 2004

Expenditure

Table A2.7.7 Regional investment funding having a major focus on matters for target in Murray

Matter for target	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
Land salinity	2,204,320		2,204,320					
Soil condition	1,673,000		1,673,000					
Native vegetation	110,000	10,000	110,000	10,000				
Significant native species		50,000		50,000				
Other supporting activities	667,300	131,000	667,300	131,000				
Total	4,654,620	191,000	4,654,620	191,000				

Table A2.7.8 Regional investment funding for types of activities in Murray

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	122,000	112,000	122,000	112,000				
Planning		30,000		30,000				
Capacity building	545,300	39,000	545,300	39,000				
On-ground activities	3,987,320	10,000	3,987,320	10,000				
Total	4,654,620	191,000	4,654,620	191,000				

Activities and achievements

Table A2.7.9 Regional investment activities in Murray

Matter for target	Activities	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
Land salinity	Implementation of Murray Region Land and Water Management Plans	2,204,320		2,204,320					
Soil condition	NAP - On-farm Implementation - West Corurgan	278,000		278,000					
	On Farm Implementation - Upper Murray	179,000		179,000					
	On-farm Implementation - Central Riverina	156,000		156,000					
	On-farm Implementation - Culcairn	208,000		208,000					
	On-farm Implementation - Eastern Billabong	210,000		210,000					
	On-farm Implementation - Holbrook	238,000		238,000					
	On-farm Implementation - Hume	276,000		276,000					
	On-farm Implementation - Murrakool and Western Billabong	104,000		104,000					
	On-farm Implementation - Tuppal	24,000		24,000					
Native vegetation	Management of Linear Road Reserves	84,000		84,000					
	Management of Vacant Crown Lands	26,000		26,000					
	NHT - On-farm Implementation - West Corurgan		10,000		10,000				
Significant native species	Fish Management Benchmarking and Monitoring		50,000		50,000				
Other supporting activities	Blueprint Communication Strategy		30,000		30,000				
	Facilitator and Coordinator Extension	509,300		509,300					
	NAP - Benchmarking and Monitoring	122,000		122,000					
	NAP - Blueprint Education Program	36,000		36,000					
	NHT - Benchmarking and Monitoring		62,000		62,000				
	NHT - Blueprint Education Program		39,000		39,000				
Total		4,654,620	191,000	4,654,620	191,000				

Targets for Murray

Resource condition targets

Table A2.7.10 Resource condition targets related to regional investment in Murray

Matter for Target	Resource condition target
Soil condition	To maintain or enhance soil health using soil acidity as an indicator to increase and then maintain the topsoil pH to 5 or greater (measured in CaCl ₂) from 58% to 61% of the area within the Murray Catchment by 2012
Surface water salinity	A return to average 2000 salinity concentration level at the Murray River downstream of the Wakool River junction by 2020, allowing for a limited 3% increase in the salt load concentration (median and 80th percentile) by 2012
Native vegetation	No net loss of all broad vegetation types (as mapped in 2001) and by 2012 restore 52,000 hectares of under-represented broad vegetation types with the goal of achieving a minimum of 30% of their original extent and composition type by the year 2052

Management action targets

Table A2.7.11 Management action targets related to regional investment in Murray

Matter for Target	Management action target
Land salinity	To establish 23,800 ha targeted predominantly woody vegetation in the salinity priority areas by 2012
	By 2012, establish 185,000 hectares of perennial pastures (both introduced and native) in appropriate landscape units within the salinity priority area
	By 2012, reduce groundwater leakage by improving landholder skills, knowledge, and water management by 1170 (70%) of irrigation properties preparing whole farm plans
	By 2012, reduce groundwater leakage by improving landholder skills, knowledge, and water management by promoting grazing management strategies
	By 2012, reduce groundwater leakage by improving landholder skills, knowledge, and water management by increasing by 50% the number of dryland landholders currently undertaking a whole farm approach to addressing dryland salinity
	By 2012, reduce groundwater leakage by improving landholder skills, knowledge, and water management by 840 (50%) of irrigation properties installing on-farm drainage and re-use systems
	By 2012, establish 5,000 hectares of plantation forestry in landscape units where the opportunity to reduce recharge or intercept groundwater flow is maximised
	By 2012, reduce groundwater leakage by improving landholder skills, knowledge, and water management by 1500 (90%) of irrigation landholders undertaking irrigation training programs
Soil condition	20% of cropping land to be under a liming program by 2012
	Increase by 50% the current number (2001) of landholders who will be actively managing soil acidity as part of their whole farm management by 2012
	To increase the current level of perennial pasture (including natives) cover by 249,000 hectares in cropping and grazing systems in selected areas by 2012
Surface water salinity	By 2012, reduce both salt concentration and saline run-off by remediation works on 60% (279ha) of known saline discharge sites
Native vegetation	Restore at least 52,500 hectares of under-represented (less than 30% remaining) vegetation types by 2012, with the goal of achieving a minimum of 30% of the original extent and composition of each broad vegetation type by the year 2052
	Manage for conservation areas of existing native vegetation (as mapped in 2001) by 2032 (49% of each broad vegetation type actively managed by 2012)