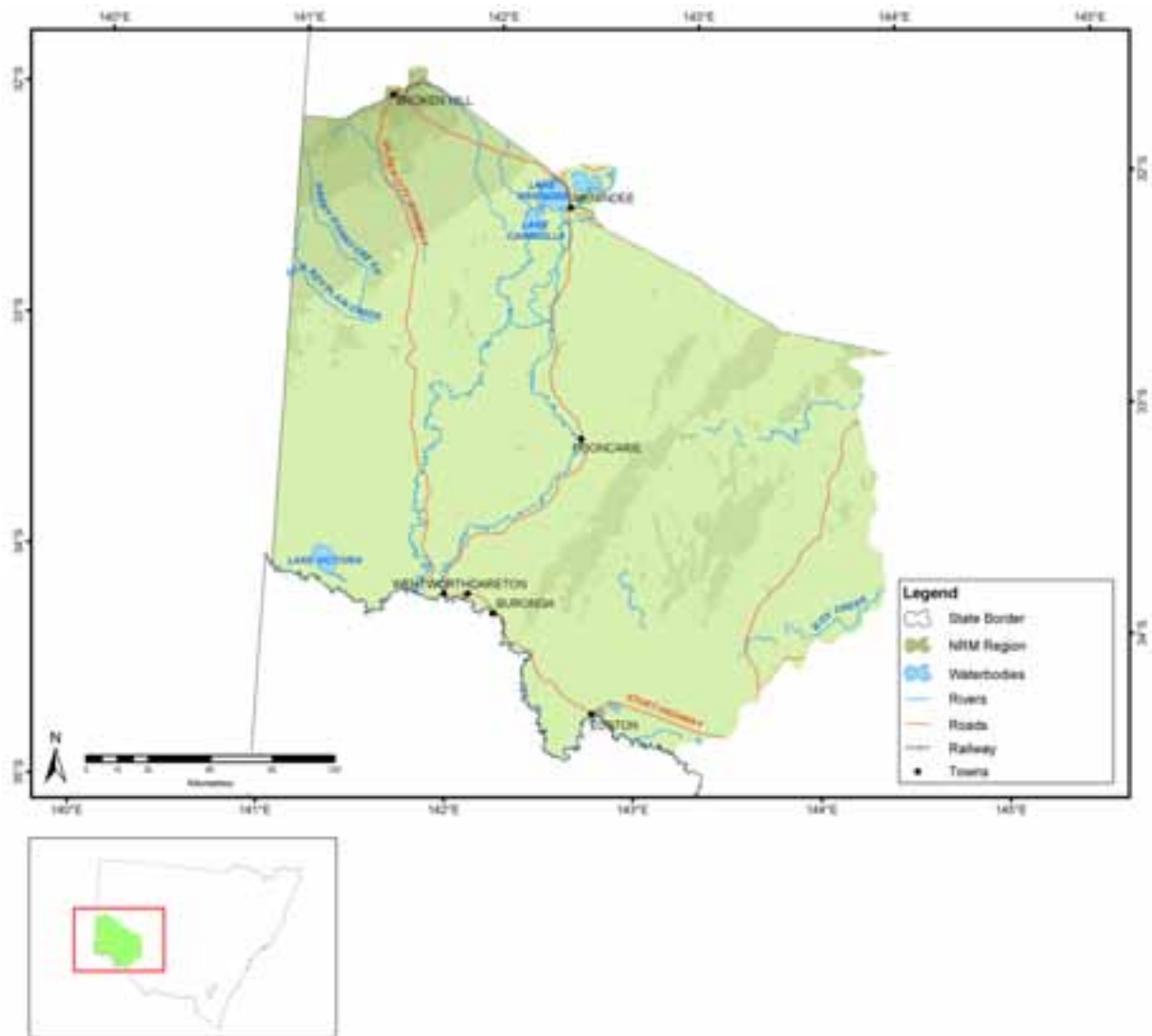


A2.6 LOWER MURRAY DARLING



Administrative arrangements

Administrative Body: Lower Murray Darling Catchment Management Authority

Trust region: Lower Murray Darling

NAP region: Lower Murray Darling

Investment summary

Table A2.6.1 Joint Government approved investments for Lower Murray Darling*

Funding stream	2003-04 Approvals (\$)		Total Approvals to June 2004 (\$)	
	NAP	Trust	NAP	Trust
Priority action	171,400		673,490	841,250
Regional investment	3,649,276	236,000	3,649,276	236,000
Total	3,820,676	236,000	4,322,766	1,077,250

* 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 A2.6.2 Reported expenditure for approved investments in Lower Murray Darling

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	71,400	531,337	573,490	531,337	335,360	146,373	363,860	146,373
Regional investment	3,219,450	104,500	3,219,450	104,500				
Total	3,290,850	635,837	3,792,940	635,837	335,360	146,373	363,860	146,373

Priority action investments

Expenditure

Table A2.6.3 Priority action funding having a major focus on matters for target in Lower Murray Darling

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
Rivers and wetlands		364,500	349,170	364,500	220,670	24,500	249,170	24,500
Surface water salinity			152,920		114,690		114,690	
Native vegetation		166,837		166,837		121,873		121,873
Other supporting activities	71,400		71,400					
Total	71,400	531,337	573,490	531,337	335,360	146,373	363,860	146,373

Table A2.6.4 Priority action funding for types of activities in Lower Murray Darling

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		340,000		340,000				
Planning		191,337		191,337		146,373		146,373
Capacity building	71,400		71,400					
On-ground activities			502,090		335,360		363,860	
Total	71,400	531,337	573,490	531,337	335,360	146,373	363,860	146,373

Table A2.6.5 Priority action activities in Lower Murray Darling

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
Rivers and wetlands	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				
Surface water salinity			152,920		114,690		114,690		
Native vegetation	Lower Murray Darling Catchment Rangeland Management Project		166,837		166,837		121,873		121,873
Other supporting activities	Lower Murray D. - Regional Facilitator and Coordinator	71,400		71,400					
Total		71,400	531,337	573,490	531,337	335,360	146,373	363,860	146,373

Achievements

Table A2.6.6 Outputs related to priority actions having a major focus on matters for target in Lower Murray Darling

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																						
Baseline, trend or condition studies for targets																						
Number of studies											2	2										
Decision support tools																						
Number of models developed					2	2																
Investigations (survey, inventory and mapping and data analysis)																						
Number of species studies					2	2																
Number of other studies					4	4																
Planning																						
Property management plans																						
Number of property management plans completed					2	2																
Capacity building																						
Skills and training activities																						
Number of training sessions held											16	16										
On-ground activities																						
Water use efficiency																						
Number of land managers using improved irrigation practices											20	20										

Regional investment summary

Plan accredited by Ministers: September 2003

Investment strategy approved by Ministers: February 2004

Expenditure

Table A2.6.7 Regional investment funding having a major focus on matters for target in Lower Murray Darling

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	34,650		34,650					
Soil condition	117,500		117,500					
Rivers and wetlands	1,287,943		1,287,943					
Surface water salinity	22,300		22,300					
Other supporting activities	1,757,057	104,500	1,757,057	104,500				
Total	3,219,450	104,500	3,219,450	104,500				

Table A2.6.8 Regional investment funding for types of activities in Lower Murray Darling

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	1,101,893		1,101,893					
Planning	1,450,750		1,450,750					
Capacity building	306,307	104,500	306,307	104,500				
On-ground activities	360,500		360,500					
Total	3,219,450	104,500	3,219,450	104,500				

Activities and achievements

Table A2.6.9 Regional investment activities in Lower Murray Darling

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	Cropping Soils and Recharge Management	34,650		34,650					
Soil condition	Irrigation Best Management Practice (Land and Water Management Plan area)	117,500		117,500					
Rivers and wetlands	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					
Surface water salinity	Irrigation Best Management Practice (non Land and Water Management Plan area)	22,300		22,300					
Other supporting activities	Darling Anabranh Management Plan EIS	1,450,750		1,450,750					
	Education Communication and Training		104,500		104,500				
	Facilitator and Coordinator Extension	306,307		306,307					
Total		3,219,450	104,500	3,219,450	104,500				

Targets for Lower Murray Darling

Resource condition targets

Table A2.6.10 Resource condition targets related to regional investment in Lower Murray Darling

Matter for Target	Resource condition target
Rivers and wetlands	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 an improvement in the native to introduced fish ratio
	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
Surface water salinity	To maintain the year 2000, 95th percentile, salt concentration of 463 EC at Lock 6
Native vegetation	A measurable improvement in the condition of native vegetation communities by 2007, as measured by key indicators at 90% of sites in the catchment, with retention of at least 80% of the pre-clearing extent of each native vegetation community
Other supporting activities	An additional 20 individual natural resource agreements between natural resource users and Traditional Tribal Groups (Barkindji, Mutthi Mutthi and Ngyiampaa) by 2005

Management action targets

Table A2.6.11 Management action targets related to regional investment in Lower Murray Darling

Matter for Target	Management action target
Land salinity	No nett increase in the risk of land and river salinisation due to the effect of dryland cropping, between 2002 and 2012
	Implement effective on-farm irrigation management practices in 90% of farms by the year 2012 to minimise drainage and groundwater accessions
Soil condition	To achieve erosion levels 50% less than the 1999 benchmark, as measured by roadside survey and wind erosion modelling by 2012
Rivers and wetlands	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
Native vegetation	Retain a minimum of 80% of the pre-clearing extent of each vegetation community in the LMD catchment
	Increase by 171,000 hectares, the area of permanent conservation reserves in the catchment by 2012, as a contribution towards achieving the permanent conservation of 20% of each vegetation community (pre-clearing extent) by 2052
	Improve the condition of each vegetation community at 90% of sites by the year 2007 as measured by the key indicators
Other supporting activities	Improve mutual understanding and cooperation between stakeholders managing the regions natural assets, as determined by an increase in cooperative natural resource initiatives