



THE OFFICE OF THE  
LAKE MACQUARIE & CATCHMENT COORDINATOR

# Annual Report

2003 / 2004



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# □ Letter of Transmission

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The Hon. Craig John Knowles MP  
Minister for Infrastructure and Planning, and  
Minister for Natural Resources  
Level 33  
Governor Macquarie Tower  
1 Farrer Place  
Sydney NSW 2000

Dear Minister,

It is with pleasure that I present The Office of the Lake Macquarie & Catchment Coordinator's annual report for the year ended 30 June 2004.

Throughout the year several contracts have been awarded in the areas of Lake and catchment works. The important work of education and monitoring continued under existing contracts.

This year has been very rewarding for the Lake Macquarie Project Management Committee, with many positive results signalling early signs of a healthier Lake environment. The program has also generated overwhelming community support, particularly with local media and business organisations.

The program certainly has strong momentum that will ensure it continues to be successful in achieving the strategic objectives until the end of 2005.

I commend the report to you.

Yours Sincerely,

A handwritten signature in black ink, consisting of several overlapping loops and a long horizontal tail stroke.

**Cr Greg Piper, Mayor**  
Chairperson  
Lake Macquarie Project Management Committee

## □ Chairman's Overview

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**The Lake Macquarie Project Management Committee was established in 1999 as a joint initiative of the NSW Government, Lake Macquarie City Council and Wyong Shire Council to implement the recommendations of the Premier's Task Force on Lake Macquarie.**

The key recommendations called for the State Government, Lake Macquarie City Council, Wyong Shire Council, industry, authorities and the community to work together on the implementation of strategies identified as critical to the improvement of Lake Macquarie and its catchment.

An integrated plan was adopted to ensure that all key stakeholders accepted the responsibility for and worked together to ensure the remediation and ongoing maintenance of the Lake environment.

Financial contributions were made by the State

Government, Lake Macquarie City Council and Wyong Shire Council towards implementation of the improvement program.

The recommendations called for the then Minister for Land & Water Conservation, in conjunction with Lake Macquarie City Council and Wyong Shire Council set up a management framework supported by the Lake Macquarie and Catchment Coordinator.

All key stakeholders have accepted that ongoing remediation will be vital to the long term health of the Lake.

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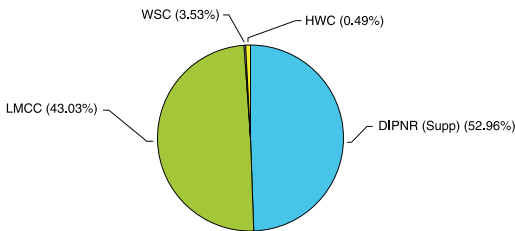
**Stage 1 and Stage 2 Funding Program**

Due to the complex nature of some of the works carried out in stage 1 of the funding program a small number are being carried out concurrently with the major implementation of stage 2.

As at 30 June 2004, expenditure by funding sources is summarised in the graphs below:

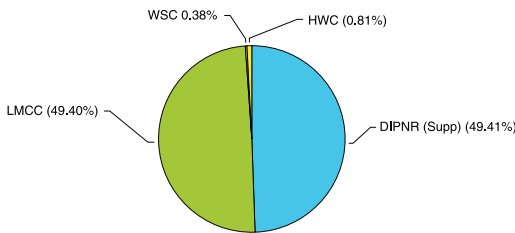
**STAGE 1**

TOTAL EXPENDITURE TO 30 JUNE 2004: \$8.51 MILLION



**STAGE 2**

TOTAL EXPENDITURE TO 30 JUNE 2004: \$3.46 MILLION



- Removal of built up sediment areas from numerous stormwater outlets at a cost of \$650,000.
- A 2003 survey shows that 50% of residents believe the lake environment has improved and 74% believe that in the next five years the lake will improve (58%) or remain the same (16%).
- Scientific monitoring is showing some early indicative signs for both improved seagrass coverage and health as well as some stabilisation of nutrient loads to the lake.



**Creek bank stabilisation. Beauty Point Road, Dora Creek.**

**Summary of Major Project Achievements From Commencement to Date:**

- 36 Stormwater Treatment Devices (predominantly wetlands) at a cost of \$4 million.
- 15 kilometres of foreshore erosion stabilisation and vegetation at a cost of \$2.8 million.
- Stabilisation of erosion at Salts Bay at a cost of \$600,000.
- Navigation dredging to the main entrance channel at a cost of \$750,000.

# □ Strategic Objectives and Performance Outcomes 2003/2004

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**Objective 1** - To contribute to a healthy environment for the community and a significant regional recreational resource

## Outcomes

Catchment rehabilitation works including foreshore stabilisation and revegetation, construction of wetlands and construction of stormwater quality improvement systems were implemented at a cost of \$1.72 million. Works included:

- Foreshore stabilisation and revegetation works at ten sites including Blackalls Park, Toronto, Wangi Bay and Valentine.
- Rehabilitation works of 13 priority natural wetland sites commenced at Pelican.
- Works to prevent erosion and increase recreational use of Lake Macquarie included the construction of a groyne and beach nourishment works at Coon Island completed in December 2003.
- Fifteen stormwater quality improvement systems were constructed at Toronto (4), Balmoral (3), Fennell Bay (2), Speers Point (2), Blackalls Park, Gwandalan, Glendale and Caves Beach.



**Drainage system improvements at Mulloway Road, Chain Valley Bay.**

**Objective 2** - To maintain a healthy ecosystem

## Outcomes

- Long term water monitoring being carried out at three sites for a range parameters and different depth horizons to enable periodic statistical review and interpretation to be undertaken.
- Localised water quality monitoring program in place at nine sites within Fennell Bay, Edmunds Bay, LT Creek, Stony Creek and Mudd Creeek.
- Macroalgae monitoring as biological response indicator at six bays: Warners Bay, Fennell Bay, Bonnells Bay, Chain Valley Bay, Belmont Bay and Crangan Bay.
- Scientific monitoring is showing some early indicative signs for both improved seagrass coverage and health as well as some stabilisation of nutrient loads to the lake.

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**Objective 3** - To develop a relationship of stewardship between the people living within the catchment and the Lake itself

## Outcomes

- 74,000 households received three newsletters in July 2003, January 2004 and June 2004 containing updates on the works program and educational information, as part of the community education and reporting program
- A periodic telephone survey of 600 residents carried out over the past three years has shown continued improvement in perceptions and awareness within the community on the Lake's environmental issues.
- Ongoing publicity profiling the work of the Project Management Committee in all local press and broadcast media.
- Media briefing tour for local media to increase understanding of the project.

## □ Strategic Objectives and Performance Outcomes 2003/2004

### CONTINUED

- Ongoing community education program employing tools such as the project website, posters, brochures and advertorial series in regional media. The website also features a 'Student Support Link' that is designed to respond to common questions from school students across the state who study the Lake as part of a case study for junior and senior school assessments.
- Series of demonstration days for the local community.



Screen shot of the Living Lake Macquarie website.

**Objective 4** - To enhance sustainable economic activity working in harmony with the community and the environment

### Outcomes

- Dredging of the main entrance channel with a final volume of 125,345 cubic metres of sand being removed. Vessel movement through Swansea Bridge increased as a result by 89% when comparing the month of April 2003 to the month of April 2004.
- Dredging of Black Neds Bay entrance.
- Removal of sediment deltas and construction of drainage protection works along the Swansea Flats Foreshore Reserve.

- The Lake Macquarie & Catchment Coordinator gave presentations to a number of community groups including to the Lake Macquarie Combined Chamber of Commerce on the economic benefits of a healthy lake.

**Objective 5** - To integrate the management of the Lake and its catchment and related activities within a single coherent management framework.

### Outcomes

- Continuation of the Project Management Committee, bringing together representatives from key government departments, Councils, community representatives and related professionals. The Committee continues to integrate the management of the Lake into a coherent framework in line with the whole-of-government approach recommended by the Premier's Taskforce Report.
- Integration of the works program with the First Order Objectives of the Central Coast Catchment Blueprint.
- The existence of the OLM&CC as a government co-operative focussed solely on the health of the Lake and catchment.



Maintenance dredging of Swansea entrance channel.

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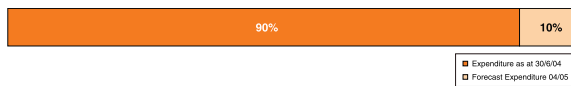
**Overview of Financial Performance Outcomes**

This overview of financial performance outcomes should be read in conjunction with the full financial statements, located on pages 18-22 of this report.

The total combined expenditure of the Stage 1 and Stage 2 budgets by the Office of the Lake Macquarie & Catchment Coordinator for 2003/2004 was \$3.39 million.

**Stage 1**

The total budget for Stage 1 is \$9.46 million. As at 30 June 2003, \$8.51 million or 90% had been expended within the program. The remaining funds will be spent to June 2005, as indicated in the graph below.



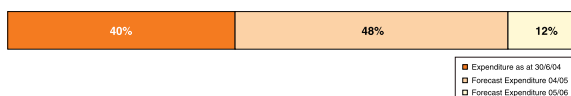
**Stage 1 Forecast Expenditure 2004/05**

\$948,000 (10%) of the total Stage 1 budget is forecast to be spent in 2004/2005 on the following:

- Cockle Bay Works - \$710,000
- Fennell Bay Works - \$238,000

**Stage 2**

The total Stage 2 budget is \$8.74 million. As at 30 June 2004, \$3.46 million or 40% had been spent on projects in the program. The remaining funds in the Stage 2 budget will predominantly be spent to June 2005. It is anticipated that a small amount of expenditure will be captured in July, August and September of 2005 for works carried over for completion in the 2004/2005 financial year. An indicative forecast for expenditure to the end of Stage 2 is illustrated in the graph below.



**Stage 2 Forecast 2004-05**

\$4.24 million or 48% of the total Stage 2 budget is forecast to be spent in 2004/2005. The majority of this expenditure is required for implementation and construction of environmental improvement works.

**Stage 2 Forecast 2005-06**

\$1.04 million or 12% of the total Stage 2 budget is forecast to be spent in the first three months of 2005/2006 to complete the Stage 2 program. This expenditure will involve the capture of expenditure for environmental improvement works undertaken in the previous financial year as well as administration and reporting of the finalisation of the project.



## □ Strategic Objectives and Performance Outcomes 2003/2004

CONTINUED

A summary of Stage 1 and 2 forecast expenditure against budget allocations is provided below (\$ millions).

	Stage 1	Stage 2	Total
		<b>2003/04</b>	
Allocated Budget	~	\$2.68M	\$2.68M
Total Available Budget	\$2.73M	\$4.20M	\$6.93M
Expenditure	\$1.09M	\$2.30M	\$3.39M
Carryover to 2004/05	\$1.64M	\$1.90M	\$3.54M
		<b>2004/05</b>	
Allocated Budget	~	\$2.68M	\$2.68M
Total Available Budget	\$1.64M	\$4.58M	\$6.22M
Forecast Expenditure	\$0.94M	\$4.24M	\$5.18M
Carryover to 2005/06	\$0.70M	\$0.34M	\$1.04M
		<b>2005/06</b>	
Allocated Budget	~	~	~
Total Available Budget	\$0.70M	\$0.34M	\$1.04M
Forecast Expenditure	\$0.00M	\$1.04M	\$1.04M
Remaining Contingency	\$0.70M	-\$0.70M	\$0.00M

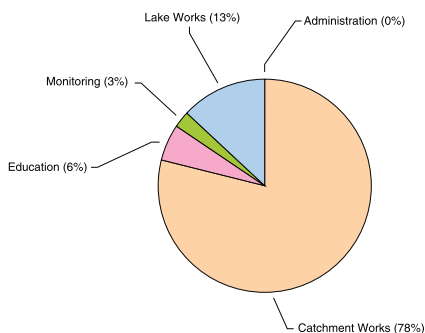
### Expenditure by Category

The Stage 1 program includes five broad budget categories for expenditure:

- Catchment Works
- Lake Works
- Monitoring
- Education
- Administration

**Expenditure by budget category for Stage 1 is shown below:**

**STAGE 1**  
2003 / 2004 EXPENDITURE BY BUDGET CATEGORY

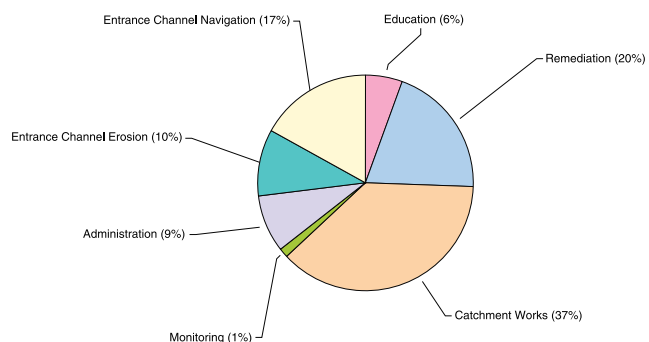


The Stage 2 program includes seven broad budget categories for expenditure:

- Education
- Remediation
- Channel Navigation
- Channel Erosion
- Catchment Works
- Monitoring
- Administration

**Expenditure by budget category for Stage 2 is shown below:**

**STAGE 2**  
2003 / 2004 EXPENDITURE BY BUDGET CATEGORY



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**Integration of Works with the Central Coast Catchment Blueprint**

The environmental improvement works, undertaken during the reporting period by the project are in general accordance with the First Order Objectives of the Central Coast Catchment Blueprint. In particular, the following management targets have been achieved by the program:

**Management Targets A1 & T2:** No net loss of riparian and littoral vegetation and the re-establishment of vegetation (including removal of weeds and ongoing weed management).

- Community education and awareness programs undertaken on the importance of littoral / riparian vegetation
- During the reporting period, 2.68 kilometres of endemic foreshore vegetation was planted.

**Management Target A2:** Improve stormwater management.

An emphasis of the Committee's work has been in targeting stormwater runoff. 15 devices for treating stormwater were installed in the 2003 / 2004 reporting period along with community education to promote behavioural changes aimed at stopping contaminants at the source.

**Management Target A4:** No discharge of sewage from boating estuaries by 2007.

The Premier's Task Force on Lake Macquarie identified both the need and funding source for boat pump-out facilities on Lake Macquarie. Installation was completed in Lake Macquarie and it is currently considered that there are now adequate facilities located around the lake to serve boating needs.

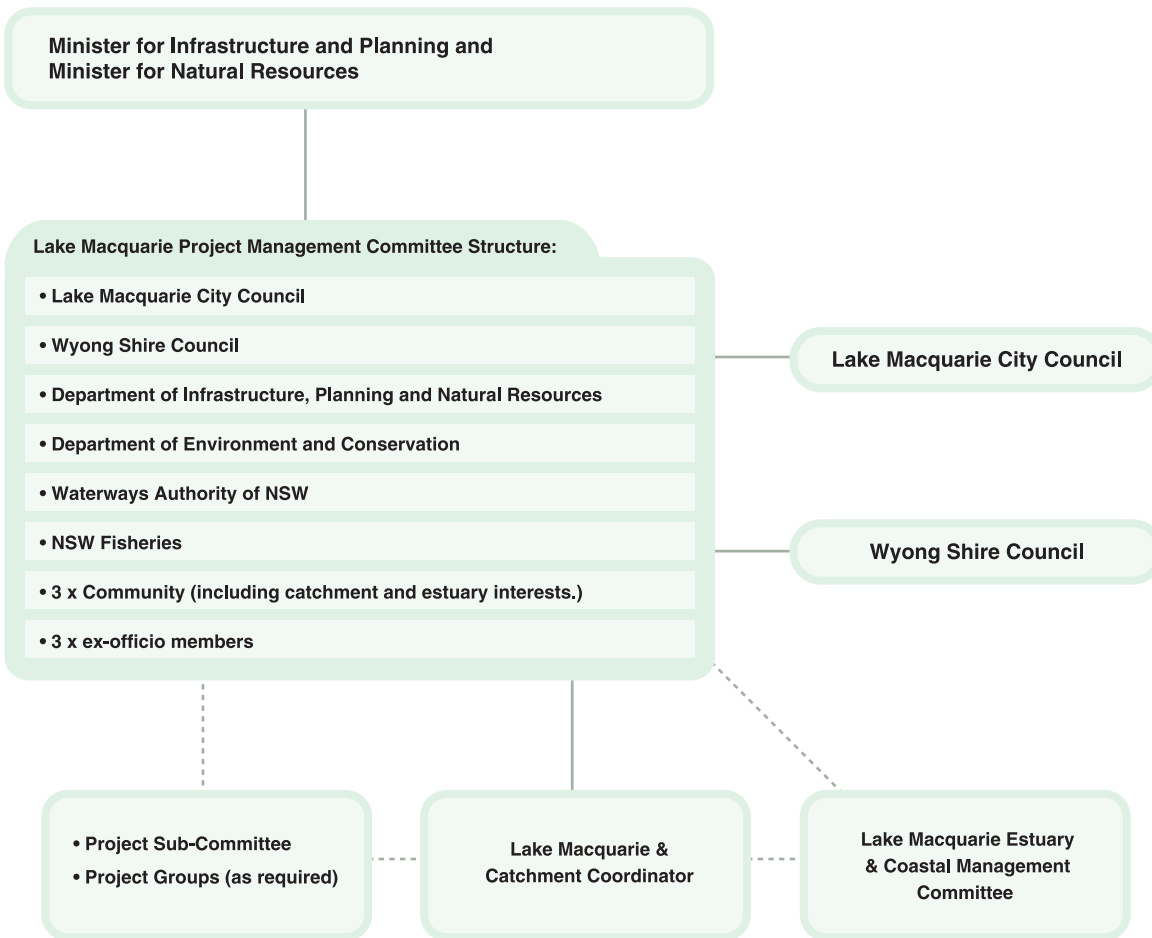


**Erosion protection fillets at Creek Reserve Road, Boolaroo.**

# □ Organisational Structure

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The chart below illustrates the structure adopted for the implementation of the Premier's Taskforce Report. It reflects the whole-of-government approach recommended in the document:



## □ Committee Membership

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**The Lake Macquarie Project Management Committee has 14 members representing the critical stakeholders in Lake Macquarie and its sub-catchments. Members and the capacity of their individual representation are:**

**Cr Greg Piper, (Chairperson)\***

Mayor  
Lake Macquarie City Council

**Mr John Diplock**

Principal manager, Recreational Fishing  
NSW Fisheries

**Mr Charlie Dunkley**

Regional Manager Hunter/Inland  
Waterways Authority

**Mr Bob Gardiner**

Community Representative

**Prof Bruce Thom**

Ex-Officio Member

**Mr Tom Bagnat \*\***

Regional Manager, Central Coast Hunter Range  
National Parks Service

**Cr Neil Rose**

Councillor  
Wyang Shire Council

**Mr Jack Garaty**

Community Representative

**Mr Bob Wilson**

Ex-Officio Member

**Mrs Cathy Cole**

Regional Director- Hunter  
Department of Infrastructure, Planning & Natural  
Resources

**Mr Michael Kerr # / Mr Grahame Clarke**

Regional Manager - Hunter  
Environment Protection Authority  
Department of Environment & Conservation

**Mr Tony Farrell**

Group Manager Strategy  
Lake Macquarie City Council

**Mr Don Cameron**

Community Representative

**Mr Ian Kiernan**

Ex-Officio Member

\* Cr Greg Piper was officially appointed as chairperson in October 2003 after performing the role in an acting capacity since February 2002.

\*\* Mr Tom Bagnat is no longer a member of the Project Management Committee since the National Parks and Wildlife Service and the Environment Protection Authority were brought together under the Department of Environment and Conservation.

# Mr Michael Kerr resigned from his role as Regional Manager - Hunter of the Environment Protection Authority. He was replaced in an Acting capacity and therefore in his role on the Committee by Mr Grahame Clarke.

# □ Performance Highlights 2003/2004

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## The Lake Macquarie Project Management Committee was again responsible for a wide range of improvement projects during the 2003/2004 reporting period.

Many of these projects were the subject of detailed planning and development application processes determined by either Lake Macquarie City or Wyong Shire Councils. An important component for many of these projects has been the emphasis on increasing the level of community awareness and consultation. Some of these projects will be ongoing until the 2004/2005 reporting period.

The following summary provides a chronological list of completed projects and significant milestones in major initiatives of the program, across three broad categories:

- Lake & Catchment Works
- Community Education
- Monitoring

### July 2003

- Foreshore stabilisation works at Blackalls Park and Victory Parade, Toronto completed.
- Installation of Stormwater pollutant traps at Thorne Street, Toronto and Foyle Street, Blackalls Park completed.



**Foreshore stabilisation and beach reconstruction at Valentine Crescent, Valentine**



**Sediment trap and vegetated basin at Park Avenue, Caves Beach**

- A water quality monitoring program commenced at nine sites within Fennell Bay, Edmunds Bay, LT Creek, Stony Creek and Mudd Creek.
- A macroalgae monitoring program commenced at sites within Fennell and Edmunds Bay.
- Living Lake Macquarie newsletter, Issue 5, distributed to 74,000 households throughout the catchment.
- Random telephone research of 600 households in the Catchment commenced.

### August 2003

- The first in a series of six community awareness & educational editorial articles and advertisements released in the Newcastle & Lake Macquarie Star newspaper.
- Installation of two stormwater treatment devices at Cook Street, Toronto completed.
- Foreshore stabilisation work at Wangi Bay and Valentine Crescent, Valentine completed.
- Dredging of the main channel was completed with a final volume of 125,345 cubic metres of material being relocated into Swan Bay.
- Dredging of the entrance to Black Neds Bay completed.

### CONTINUED

- New website uploaded including student support link.
- Foreshore stabilisation work west of Marmong Point Marina, Booragul.

### September 2003

- Foreshore stabilisation works at Bennett Park, Valentine completed.
- Foreshore stabilisation works completed at Shingle Splitters Point, Balcolyn.
- Project to investigate and develop rehabilitation strategies for priority wetlands commenced.

### October 2003

- Community consultation carried out in relation to the proposed Demonstration Site at Boat Alley, Fennell Bay.
- The environmental audit / awareness program of light industrial premises in the Fennell / Edmunds Bay catchment completed.
- Flow enhancement works to improve water quality in Mudd Creek at Blackalls Park completed.
- Media briefing tour for all regional media to provide an update on the project.

### November 2003

- Construction of a creekbank management Demonstration Site at Boat Alley, Fennell Bay completed.
- Foreshore stabilisation work at Wrightson Park, Cams Wharf completed.

### December 2003

- Demonstration day held at the creekbank management Demonstration Site, located long LT Creek.
- Installation of three stormwater treatment devices and the construction of a vegetated swale at Letchworth Parade, Balmoral completed.



**Creek bank stabilisation and riparian rehabilitation along LT Creek, Fennell Bay**

- Flow enhancement works along Mudd Creek completed.
- Foreshore protection works at Pelican Reserve completed.
- Construction of a rock groyne and beach re-nourishment along the western foreshore of Coon Island completed.
- Living Lake Macquarie newsletter, Issue 6, distributed to 74,000 households throughout the catchment.



**Drain outlet improvement works at Swansea Flats Reserve, Swansea.**

### CONTINUED

#### January 2004

- Construction of a trash rack within an existing drainage line at James Street, Toronto completed.

#### February 2004

- A demonstration day was held at the creekbank management Demonstration Site at LT Creek.
- Removal of sediment deltas and the construction of drainage protection works along the Swansea Flats foreshore reserve completed.
- Construction of a GPT and vegetated swale at Margaret Street, Fennell Bay completed.
- Maintenance dredging work within LT Creek, Fennell Bay and Edmunds Bay commenced.

#### March 2004

- Rehabilitation works commenced in the upper reaches of Mud Creek and LT Creek.
- Construction of a wetland at Gamban Road, Gwandalan completed.

#### April 2004

- Construction of a GPT and vegetated swale at Edward Street, Fennell Bay completed.
- Foreshore stabilisation works commenced along Creek Reserve Road, Boolaroo.

#### May 2004

- Community meetings held at Dora Creek and Swansea Flats to discuss project works.
- A further Newcastle and Lake Macquarie Star six-week Community Education advertisements and editorial commenced.
- Investigation and designs for the rehabilitation of 13 high priority wetlands completed and works commenced at Pelican wetland.

#### June 2004

- All physical works associated with the construction of a sediment basin and channel improvement works at Park Avenue, Caves Beach completed.



**Constructed Wetland at Clarence Street, Glendale.**

- Creek bank stabilisation plan and design for Dora Creek completed.
- Construction of a wetland at Clarence Street, Glendale nearing completion.
- Rehabilitation works completed at the first of 13 priority natural wetland sites identified as part of the Lake Macquarie Priority Wetland Rehabilitation Program.
- Living Lake Macquarie newsletter, Issue 7, distributed to 74,000 households throughout the catchment.
- Educational advertisement series aired on television.
- Construction of three GPTs and vegetated swales at Speers Point (2) and Caves Beach (1) nearing completion.



THE OFFICE OF THE  
LAKE MACQUARIE & CATCHMENT COORDINATOR

# Auditors Report

for the year ended 30 June 2004





**PricewaterhouseCoopers**  
8 Auckland Street  
PO Box 798  
NEWCASTLE NSW 2300  
DX 77 Newcastle  
Australia  
www.pwc.com/au  
Telephone 61 2 4925 1100  
Facsimile 61 2 4925 1199

**Independent audit report to the  
Office of the Lake Macquarie & Catchment Cordinator**

*Scope*

We have audited the attached "Statement of Financial Performance and Statement of Financial Position" for the Office of the Lake Macquarie & Catchment Co-ordinator for the year ended 30 June 2004. Council is responsible for the preparation and presentation of the Statement of Financial Performance and Statement of Financial Position and the information contained therein. We have conducted an independent audit of the Statement of Financial Performance and Statement of Financial Position in order to express an opinion to the Office of the Lake Macquarie & Catchment Co-ordinator on its preparation and presentation.

We disclaim any assumption of responsibility for any reliance on this audit report or on the financial report to which it relates to any person other than the Office of the Lake Macquarie & Catchment Co-ordinator for any purpose other than that for which they were prepared.

Our audit has been conducted in accordance with Australian Auditing Standards. Our procedures included examination, on a test basis, of evidence supporting the amounts disclosed in this statement. The procedures have been undertaken to form an opinion as to whether, in all material respects, the attached Statement of Financial Performance and Statement of Financial Position is in accordance with the books, accounts and other relevant records of Council.

*Audit opinion*

In our opinion, the attached Office of the Lake Macquarie & Catchment Co-ordinator Statement of Financial Performance and Statement of Financial Position is in accordance with the books, accounts and other relevant records of Council.

A handwritten signature in cursive script that reads "PricewaterhouseCoopers".

PricewaterhouseCoopers  
Chartered Accountants

A handwritten signature in cursive script that reads "W M Russell".

W M Russell  
Partner

Newcastle  
07 December 2004



THE OFFICE OF THE  
LAKE MACQUARIE & CATCHMENT COORDINATOR

# Financial Report

for the year ended 30 June 2004

# □ Financial Information

FOR THE YEAR ENDED 30 JUNE 2004

Office of the Lake Macquarie & Catchment Co-ordinator

## Statement of Financial Performance - For year ended 30 June 2004

	2004	2003
<b>Revenues</b>	<b>\$</b>	<b>\$</b>
Contributions - DIPNR Supplementary	1,300,000	1,300,000
Contributions - DIPNR Administration	0	0
Contributions - LMCC	1,195,802	1,835,268
Contributions - Wyong Shire Council	10,788	2,367
Contributions - Hunter Water	14,000	14,000
Contributions - Waterways	5,000	0
Contributions - In-Kind	0	0
Interest on Investments	11,053	7,379
	<b>2,536,643</b>	<b>3,159,014</b>
<b>Expenses</b>		
Completed Works - Note (1) & Note (2)	3,393,839	3,957,819
Works In-Kind	0	0
	<b>3,393,839</b>	<b>3,957,819</b>
<b>Surplus Funds for the year ended 30/06/2004</b>	<b>-857,195</b>	<b>-798,805</b>

Office of the Lake Macquarie & Catchment Co-ordinator

## Statement of Financial Position - As at 30 June 2004

	2004	2003
<b>Current Assets:</b>	<b>\$</b>	<b>\$</b>
Investments	2,566,720	3,143,388
Receivables	71,677	2,367
<b>Total Current Assets</b>	<b>2,638,397</b>	<b>3,145,754</b>
<b>Current Liabilities:</b>		
Creditors	441,783	91,945
<b>Total Current Liabilities</b>	<b>441,783</b>	<b>91,945</b>
<b>Net Current Assets:</b>	<b>2,196,614</b>	<b>3,053,809</b>
Non Current Assets:		
<b>Total Non Current Assets</b>	<b>-</b>	<b>-</b>
<b>Non Current Liabilities:</b>		
<b>Total Non Current Liabilities</b>	<b>-</b>	<b>-</b>
<b>Net Assets:</b>	<b>2,196,614</b>	<b>3,053,809</b>
<b>Total Equity</b>	<b>2,196,614</b>	<b>3,053,809</b>

FOR THE YEAR ENDED 30 JUNE 2004

**Note (1)** Office of the Lake Macquarie & Catchment Coordinator  
**Completed & Works In Progress - Stage 1 Funding**

	Actual Expend to 30/6/04	Source of Funding Cash			
		DIPNR (Supplementary)	LMCC	WSC	HWC
Stormwater treatment device - Cook Street, Toronto #1	\$52,415.64	\$52,415.64			
Stormwater treatment device - Cook Street, Toronto #2	\$141,217.94	\$141,217.94			
Audit industrial premises - Fennell/Edmunds Bay catchment	\$14,634.84	\$14,634.84			
Stormwater treatment device and vegetated swale - Macquarie Road, Fennell Bay	\$7,374.08	\$7,374.08			
Shoreline revegetation - Blackalls Park reserve	\$14,400.59	\$14,400.59			
Stormwater treatment device - Thorne Street, Toronto	\$49,741.13	\$49,741.13			
Flow enhancement devices - Mudd Creek, Blackalls Park	\$194,397.27	\$194,397.27			
Stormwater treatment device - Foyle Street, Blackalls Park	\$46,848.57	\$46,848.57			
Stormwater treatment device - James Street, Toronto	\$17,456.19	\$17,456.19			
Stormwater treatment device and vegetated swale - Margaret Street, Fennell Bay	\$95,216.45	\$95,216.45			
Dredging - Fennell / Edmunds Bays	\$141,001.50	\$141,001.50			
Creebank vegetation and stabilisation demonstration site - Boat Alley, Fennell Bay	\$19,148.57	\$19,148.57			
Stormwater treatment device and vegetation swale - Edward Street, Fennell Bay	\$64,384.04	\$64,384.04			
Rehabilitation works - upper LT and Mudd Creeks	\$2,750.00	\$2,750.00			
Fennell and Edmunds Bay catchment community education program	\$61,564.97	\$61,564.97			
Design of stormwater treatment devices Fennell/Edmunds Bay catchment	\$13,858.27	\$13,858.27			
Water quality monitoring - Fennell and Edmunds Bays	\$20,340.84	\$20,340.84			
Macroalgae monitoring - Fennell and Edmunds Bays	\$2,131.50	\$2,131.50			
Wetland monitoring project	\$5,600.00	\$2,800.00	\$2,800.00		
Foreshore stabilisation and vegetation - Marmong Point	\$15,246.68	\$15,246.68			
Feasibility Study Environmental & Navigational Improvements Entrance of Cockle Creek	\$43,129.69	\$23,223.68	\$19,906.01		
Coon Island remediation - western foreshore	\$68,570.24	\$34,285.12	\$34,285.12		
	<b>\$1,091,429.00</b>	<b>\$1,034,437.87</b>	<b>\$56,991.13</b>		

FOR THE YEAR ENDED 30 JUNE 2004

**Note (2)** Office of the Lake Macquarie & Catchment Coordinator  
**Completed & Works In Progress - Stage 2 Funding**

	Actual Expend to 30/6/04	Source of Funding Cash			
		DIPNR (Supplementary)	LMCC	WSC	HWC
Website fees	\$169.40	\$84.70	\$84.70		
Printing of newsletter issues 5, 6 and 7	\$26,127.27	\$13,063.63	\$13,063.64		
Distribution of newsletters issues 5 and 6	\$5,781.36	\$2,890.68	\$2,890.68		
Printing of community survey	\$180.00	\$90.00	\$90.00		
Lake Macquarie issues education advertisement program	\$5,302.80	\$2,651.40	\$2,651.40		
Printing of 2002/2003 Annual Report	\$3,522.31	\$1,761.16	\$1,761.15		
Community education and reporting	\$89,637.33	\$41,312.30	\$41,312.31	\$7,012.72	
Swansea Flats foreshore remediation	\$144,040.23	\$72,020.12	\$72,020.11		
Feasibility Study & Review of Environmental Factors for Organic Sediment Removal	\$133,482.20	\$66,741.10	\$66,741.10		
Review and update investigations - Dredge Spoil Islands, Swansea	\$4,588.04	\$2,294.02	\$2,294.02		
Design stormwater treatment devices	\$167,318.97	\$83,659.49	\$83,659.48		
Creebank Management Strategy - Dora Creek	\$5,500.00	\$2,750.00	\$2,750.00		
Constructed wetland - Bay Road, Bolton Point	\$4,481.35	\$2,240.68	\$2,240.67		
Stormwater treatment device - Victory Parade, Toronto	\$208.55	\$104.28	\$104.27		
Stormwater treatment devices (3) and vegetated swale - Letchworth Parade, Balmoral	\$79,013.59	\$39,506.80	\$39,506.79		
Stormwater treatment devices (2) and vegetated swale - The Esplanade, Speers Point	\$5,629.00	\$2,814.50	\$2,814.50		
Stormwater treatment device - Park Avenue, Caves Beach	\$133,265.02	\$66,632.51	\$66,632.51		
Constructed wetland - Clarence Street, Glendale	\$132,600.94	\$66,300.47	\$66,300.47		
Foreshore stabilisation and vegetation works signage	\$2,121.04	\$1,060.52	\$1,060.52		
Creebank Management Strategy - Dora Creek	\$14,513.64	\$7,256.82	\$7,256.82		
Foreshore stabilisation and vegetation - Toronto	\$29,636.03	\$14,818.02	\$14,818.01		
Foreshore stabilisation and vegetation - Valentine Crescent, Valentine	\$25,558.75	\$12,779.38	\$12,779.37		
Foreshore stabilisation and vegetation - Bennett Park, Valentine	\$109,765.48	\$54,882.74	\$54,882.74		
Foreshore stabilisation and vegetation - Wangi Bay	\$128,637.46	\$64,318.73	\$64,318.73		
Foreshore stabilisation and vegetation - Shingle Splitters Point	\$16,415.78	\$8,207.89	\$8,207.89		

CONTINUES ON PAGE 21

## □ Financial Information

FOR THE YEAR ENDED 30 JUNE 2004

Note (2) Office of the Lake Macquarie & Catchment Coordinator

### Completed & Works In Progress - Stage 2 Funding (CONTINUED FROM PAGE 25)

	Actual Expend to 30/6/04	Source of Funding Cash			
		DIPNR (Supplementary)	LMCC	WSC	HWC
Foreshore stabilisation and vegetation - Wrightson Park, Cams Wharf	\$64,021.67	\$32,010.83	\$32,010.84		
Foreshore stabilisation and vegetation - Creek Reserve Road, Boolaroo	\$52,500.00	\$26,250.00	\$26,250.00		
Scoping and prioritisation of wetland rehabilitation works	\$30,419.73	\$15,209.87	\$15,209.86		
Wetland rehabilitation works - Pelican Flat wetland	\$9,687.34	\$4,843.67	\$4,843.67		
Seagrass Wrack Management Plan	\$1.95	\$0.98	\$0.97		
Maintenance of vegetation works	\$24,601.75	\$12,300.87	\$12,300.88		
Lake body water quality monitoring	\$23,221.03	\$3,210.52	\$3,210.51	\$2,800.00	\$14,000.00
Macroalgae monitoring - Lake general	\$8,708.02	\$3,866.36	\$3,866.36	\$975.30	
Project Management Committee meeting expenses	\$6,531.66	\$3,265.83	\$3,265.83		
Technical assistance - DIPNR	\$25,558.25	\$12,779.12	\$12,779.13		
Salaries and oncosts	\$155,760.13	\$77,880.06	\$77,880.07		
Mobile phone operating expenses	\$487.18	\$243.59	\$243.59		
Motor vehicle running expenses	\$11,440.00	\$5,720.00	\$5,720.00		
Audit of 2002/2003 financial statements	\$950.00	\$475.00	\$475.00		
Pelican foreshore protection plan	\$23,475.34	\$11,737.67	\$11,737.67		
Pelican foreshore protection works	\$179,102.32	\$89,551.16	\$89,551.16		
Rock armouring western foreshore Swansea Channel	\$27,443.44	\$13,721.72	\$13,721.72		
Dredging Black Neds Bay	\$47,913.20	\$23,956.60	\$23,956.60		
Accessing Lake Macquarie Strategy for Swansea Channel	\$8,799.40	\$4,399.70	\$4,399.70		
Dredging main channel	\$283,468.75	\$141,734.37	\$141,734.38		
Investigations Hydraulics, Sediment Transport & Navigation Swansea Channel/Swan Bay	\$1,560.00	\$780.00	\$780.00		
Black Neds Bay / Mats Point erosion investigation	\$21,043.00	\$10,521.50	\$10,521.50		
Investigation, design and specs for improvement works Swan Bay southern entrance	\$28,219.12	\$14,109.56	\$14,109.56		
	<b>\$2,302,409.82</b>	<b>\$1,138,810.92</b>	<b>\$1,138,810.88</b>	<b>\$10,788.02</b>	<b>\$14,000.00</b>





**Office of the Lake Macquarie & Catchment Co-ordinator**  
[www.livinglakemacquarie.org](http://www.livinglakemacquarie.org)