







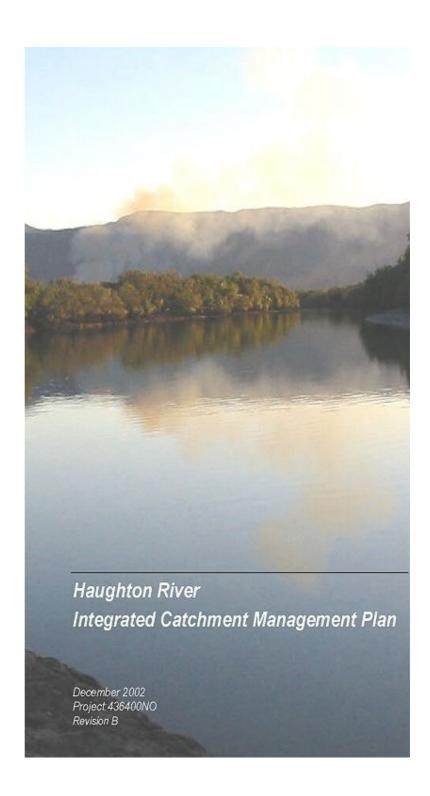






Prepared by: Connell Wagner

ABN 54 005 139 873
1st Flr Mackay Corporate
Centre
(PO Box 1060)
Mackay Queensland 4740
Australia
Telephone +61 7 4951 3500
Facsimile +61 7 4951 3865
E-mail cwmky@conwag.com



Volume 1 ICMP

Connell Wagner

DOCUMENT CONTROL SHEET

ABN 54 005 139 873

1st Floor Mackay Corporate Centre Cnr Gregory and Victoria Streets

PO Box 1060

Mackay QLD 4740, Australia Telephone : (07) 4951 3500 Facsimile : (07) 4951 3865 E-mail: cwmky@conwag.com

CLIENT: Haughton River Integrated Catchment Steering Committee PROJECT NAME: Haughton River Integrated Catchment Management Plan

PROJECT NUMBER: 436400NO

DOCUMENT NAME: Integrated Catchment Management Plan Volume 1

Rev	Status	Date	Prepared By		Verified By		Approved By	
No.			Name	Initials	Name	Initials	Name	Initials
А	Draft for Comment	12/11/2002	John Gunn	JG	Trinity Graham	TG	Peter McIntyre	P. Maty
			Neil Proposch	M	Stephen Ung	SJU		V
В	For Issue	23/12/2002	John Gunn	8	Neil Proposch	A	Peter McIntyre	P.A.

Preface

This document is the *Integrated Catchment Management Plan for the Haughton River Catchment* in North Queensland. It should be read in conjunction with *Volume 2 – Appendices* and the *Haughton River Catchment Overview Report*, Connell Wagner, September 2002.

If you have any comments, please contact:

John Gunn

Project Natural Resources Manager Earth Environmental Phone: 0413 019 359 earth@mackay.net.au

or

Neil Proposch
Project Leader
Connell Wagner

Phone: (07) 4951 3500 Fax: (07) 4951 3865 proposcn@conwag.com



Chairman's Foreword

It has become increasingly apparent that the social, economic, physical and environmental wellbeing of our current and future communities will only be maintained and enhanced if, when using land or waters within a river catchment, the natural systems and ecological processes are appropriately protected. Sustainable resource management can only be achieved through a catchment wide co-ordinated approach that is substantially community based.

The Burdekin Shire Rivers Improvement Trust recognised that, though its responsibility for the Haughton River is limited to managing the stability of the banks and the bed of its lower reaches, various elements of management of the river are co-dependent. The Trust resolved to facilitate total catchment management for the Haughton.

The Trust successfully sought support from the Natural Heritage Trust and Local Governments within whose boundaries the river catchment is contained. A Steering Committee was formed to facilitate the commencement of a Catchment Management Project for the Haughton. The Steering Committee engaged consultants to prepare a Catchment Management Plan. An extensive consultation process has allowed all stakeholders to have input into preparation of that Catchment Management Plan, and has also allowed for the commencement of the processes for formation of a community based Catchment Co-ordinating Committee (CCC). Invitations are currently being extended for membership of that CCC.

On behalf of the Trust and the community, I thank all that have been involved in the process to date, and encourage the community to be involved in and support the future activities of the CCC. I commend the Haughton River Integrated Catchment Management Plan to the future CCC and community, and trust that this will be a useful tool on which to base future management decisions for the Haughton River Catchment.

Matthew Patane

Chairman

BURDEKIN SHIRE RIVERS IMPROVEMENT TRUST

18th December, 2002



Section		Page	
1. Int	roduction Background to the HRICSC/HRCCC	1 1	
1.2 1.3	Purpose of the Plan Plan Development Process	1 3	
	nning Context of the ICMP	5	
2.1 2.2	Planning Processes Natural Resource And Other Relevant Legislation	5 6	
	ues and Pressures for the Catchment	7	
3.1 3.2	Regional Natural Resource Issues Natural Resource Issues Specific To The Haughton Catchment	7 7	
3.3	Local And Sub Catchment Issues	11	
3.4 3.5	Indigenous Traditional Owner Issues Putting The Pieces Together Again	12 13	
4. Sta	ate of the Catchment	15	
4.1	Environmental Indicators	15	
4.2 4.3	Land Water	15 16	
4.4	Estuaries and the Sea	17	
4.5	Biodiversity	17	
4.6 4.7	Air Quality Human Settlement	23 23	
	jectives and Targets	24	
5.1 5.2	Draft Objectives With Reference To The Identified Issue Areas Catchment Targets For Salinity, Water Quality And Biodiversity	24 24	
6. Op	tions Available to Address Issues and Reach Targets	27	
6.1	Information Availability	27	
6.2	Coordination levels	27	
6.3 6.4	Land Use Change And Development Unsustainable Land Management Practices	28 28	
6.5	Unsustainable Water Management Practices	29	
6.6	Vegetation clearing and degradation	29	
6.7	Potential Social And Economic Impacts	30	
6.8 6.9	Sugar Cane Horticulture	33 34	
6.10	Beef Cattle	34	
6.11	Fishing	35	
6.12	Tourism	35	
6.13 6.14	Water Infrastructure Discussion of Social and Economic Impacts	35 35	
	·		
7. Ca 7.1	tchment-Wide Resource Management Strategies Catchment Strategies	37 37	
Ω Λο	tion Plans	40	

9. In	43	
9.1	General Implementation Arrangements	43
9.2	Landcare And Community Group Support Mechanisms	44
10.	Monitoring, Assessment And Review Process	46
10.1	Monitoring	46
10.2	Assessment	46
10.3	Review	46
11.	Conflict Resolution	47
11.1	The Conflict Resolution Process	47

APPENDICES (Refer Volume 2)

Appendix A Glossary and Abbreviations

Appendix B Bibliography

Appendix C Stakeholder List

Appendix D Current Planning Processes and Studies

Appendix E Potentially Relevant Legislation

Appendix F Issue Categories From Regional & Sub-Regional Strategies

Appendix G Issues By Issue Areas/Strategy Categories From Regional And Sub Regional Strategies

Appendix H Issues Identified In Other Regional Planning Processes

Appendix I Issues Identified During the Haughton River ICMP Planning Processes

Appendix J Summary and Ranking of Relevant Issues

Appendix K Regional Ecosystems

Appendix L Regional Ecosystems In Protected Areas

Appendix M Regional Ecosystems And Conservation Status Classification

Appendix N Regional Visions and Objectives

Appendix O ANZECC Indicators for State of the Environment Reporting

Appendix P Water Quality Targets

Appendix Q Projects, Programs And Research Initiatives Relevant To The Haughton

Appendix R Statistical Information Relevant To The Haughton River Catchment

Appendix S Indigenous Involvement Facilitation

List of Figures

- Figure 1-1 Haughton ICMP Development Process and Input
- Figure 2-1 Related Planning Processes
- Figure 3-1 Example Issues
- Figure 3-2 Sediment and Algae at Giru Weir
- Figure 4-1 Haughton River Regional Ecosystems
- Figure 4-2 Regional Ecosystems in Protected Areas in the Catchment
- Figure 4-3 Regional Ecosystems Detail
- Figure 6-1 Land Use in the Haughton River Catchment
- Figure 6-2 Cane in the Burdekin
- Figure 6-3 Horticulture in the Haughton River Catchment
- Figure 6-4 Water Infrastructure near Giru
- Figure 6-5 Wetland Grazing in the Haughton River Catchment
- Figure 8-1 Generalised Process to Implement Key Actions
- Figure 11-1 Conflict Resolution Process

List of Tables

- Table 1-1 ICM Plan Development Process
- Table 3-1 Regional issues identified by the BDTG
- Table 3-2 Natural Resource Issues Raised During the Planning Process
- Table 3-3 Natural Resource Pressures, Symptoms and Side-effects
- Table 3-4 Main Issues Raised at Public Meetings
- Table 3-5 The Main Pressures and Associated Issues for the Haughton Catchment
- Table 4-1 State of Land Resources
- Table 4-2 State of Inland Waters in the Catchment
- Table 4-3 Condition of Estuaries and the Sea
- Table 4-4 Biodiversity Condition in the Haughton River Catchment
- Table 4-5 Protected Areas in the Haughton River Catchment
- Table 4-6 Condition of the Atmosphere in the Haughton River Catchment
- Table 4-7 Impact on Condition from Human Settlement
- Table 5-1 Issues and Objectives
- Table 5-2 Draft Targets For Salinity, Water Quality And Biodiversity In The Haughton River Catchment
- Table 6-1 Local Government Areas in Relation to the Haughton River Catchment
- Table 6-2 Production Figures for the Year Ending March 1999
- Table 6-3 Land Use Estimates for the Haughton River Catchment
- Table 6-4 Sugar Cane in the Burdekin
- Table 6-5 Beef Cattle in the Haughton Catchment
- Table 8-1 Action Plan for Integrated Catchment Management