

# Introduction

This Supplementary Report to the *State of the Environment Report for South Australia 2003* is the most comprehensive available report on the condition of South Australia's environment. The primary objective of this Supplementary Report is to provide additional data and a greater depth of discussion than is possible in the more concise *State of the Environment Report 2003*.

It is intended as a reference for students, those with a professional interest in environmental issues, conservationists and the general public.

The information in this Supplementary Report provides an assessment of the current state, or condition, of South Australia's natural resources and the pressures upon them. It also identifies trends over time, so that we can assess the effectiveness of our efforts to deal with these environmental pressures and measure our progress towards achieving the objectives of ecologically sustainable development.

Recommendations on how we can improve our efforts to meet these objectives can be found in the *State of the Environment Report for South Australia 2003*. Please also refer to this document for information on the State of the Environment Reporting process and progress since the last *State of the Environment Report* (published in 1998).

## Acknowledgements

The assistance of the many people who contributed information, ideas and constructive criticism during the preparation of this report is gratefully acknowledged.

## Contributors

### **Agriculture Fisheries and Forestry Australia:**

Albert Caton

### **Animal and Plant Control Commission:**

Peter Bird, David Cooke, Dr Bob Henzell, Paul Jupp, Greg Mutze, Mark Ramsay, Dr Ron Sinclair, Mark Williams

### **City of Onkaparinga:** Lisa McDonald

### **City of Port Adelaide and Enfield:**

Verity Saunders

### **Clean Up Australia:** Eleanor Ashton

### **Commonwealth Scientific and Industrial**

**Research Organisation:** Dr Rob Fitzpatrick, Dr Glen Walker

### **Conservation Council of South Australia:**

Peter Cale

### **Department for Aboriginal Affairs and**

**Reconciliation:** Helen Cooke, Heidi Crow

### **Department for Environment and Heritage:**

Peter Alexander, Patricia von Baumgarten, Lindsay Best, Michaela Birrell, Monique Blason, Annie Bond, Tim Bond, Leanne Burch, James Cameron, Sandy Carruthers, Peter Copley, Emma Crossfield, Phil Donaldson, Trish Drioli, Doug Fotheringham, Brenton Grear, Mike Harper, Colin Harris, Dr Christopher Holden, Tony Huppatz, Bill Jeffries, Mark Lusic, Craig Macauley, Matthew Miles, Dr Sue Murray-Jones, Faye Mitchell, Trish Mooney, Dr Kym Nicolson, Tim Noyce, Peter Pfennig, Stuart Pillman, Brian Samuels, Dr Adrian Stokes, Trixie Tan, Dr Murray Townsend, Jason Van Weenen, Renate Velzeboer, Andrew West, Dr Stephanie Williams

**Department of Human Services:** Dr David Cunliffe, Dr Monika Nitschke, Dr Ted Maynard

**Department of Water Land and Biodiversity**

**Conservation:** Martin Allen, Dr Steve Barnett, Jim Barratt, Phil Cole, David Cresswell, David Deane, Tim Dendy, Russel Flavel, Glenn Gale, Michael Good, Paul Gould, Bryan Harris, Colin Harris, Darryl Harvey, Paul Harvey, Clare Heathcote, Tony Herbert, Bob Inns, Andrew Johnson, Sandra Keane, Brendan Lay, Russell Martin, David Olsson, Richard Payne, Jan Rowland, Lloyd Sampson, Peter Stace, Tony Thomson, Bart Van Der Wel, Adam West, Craig Whisson

**Environment Protection Authority:**

Rachel Barratt, Tony Circelli, Dr John Cugley, David Duncan, Mike Fanning, Jill Fitch, Sam Gaylard, Robyn Gill, David Gooding, Peter Goonan, Linda-Marie Hall, Phil Hazel, Greg Hill, Dr Keith Plastow, Jeff Todd, Sam Wade

**Forestry SA:** Detlev Vogt

**Keep South Australia Beautiful:** John Phillips

**Local Government Association of South**

**Australia:** Fiona Jenkins

**Northern Adelaide and Barossa Catchment**

**Water Management Board:** Kym Good

**Office of Zero Waste:** Ian Harvey,

Vaughan Levitzke

**Passenger Transport Board:** Luke Condon,

Jack Turner, Tom Wilson

**Planning SA:** Kathryn Bellette, Gavin Burgess,

Lara Daddow, Shelley Fitzgerald, Kiralee Flynn, Malcolm Govett, Ian McQueen, Chris Rudd, Dr Ross Steele, Greg Wise

**Primary Industries and Resources SA:**

Rod Anderson, John Bourne, Paula Brown, Carina Cartwright, Dr Micheal Deering, Iris Dobrzinski, Trevor Dooley, John Gilliland, Michael McManus, Vic Neverauskas, Ian Nightingale, Merylyn Nobes, Corinna Pereira, Jon Presser, Daniel Rossetto, Sean Sloan, Will Zacharin

**River Murray Catchment Water Management**

**Board:** Amy Morley, Melissa Schliebs, Prue Tucker, Peter Waanders

**Saltwatch SA:** Bruce Munday

**SA Water:** Peter Faggotter, Cathryn Hamilton, Tim Kelly, Grant Lewis, Lee Morgan, Karen Rouse, Vince Sweet

**South Australian Research and Development**

**Institute:** Steven Clarke, Dr Tony Fowler, Dr Keith Jones, Dr Stephanie Seddon, Dr Ib Svane, Dr Tim Ward, Dr Qifeng Ye

**Transport SA:** Tracey Brealey, Dr Phil Morgan, Neil Murphy, Dr Alan Perkins, Jill Tideman

**University of Tasmania:** Professor Gustaaf Hallegraaff

**Maps**

Jacqui Oates, Department for Environment and Heritage

**Communications and marketing**

Wayne Barbour, Bethany Caddy, Jayne Osborne, Kate Zealand, Department for Environment and Heritage

Terry Clark, Environment Protection Authority

**Assistance with writing**

Dr Geoffrey Bishop, G. C. Bishop and Associates

Dr Andrew Lothian, Environmental Policy Solutions

**Independent reviewers**

Dr Peter Bell, Heritage Consultant

Professor Don Bursill, Chief Scientist, Australian Water Quality Centre

Dr Anthony Cheshire, Chief Scientist, Aquatic Sciences, South Australian Research and Development Institute

Richard Clark, Richard Clark and Associates

Caroline Dorr, Catchment Care Officer, Onkaparinga Catchment Water Management Board

Alex Eadie, Parsons-Brinckerhoff

Tony Flaherty, State Coordinator, Marine and Coastal Community Network

Steven Gatti, Project Manager, Onkaparinga Catchment Water Management Board

Dr Peter Gies, Senior Research Scientist, Australian Radiation Protection and Nuclear Safety Agency

Dr Ann Hamblin, Visiting Fellow to the Centre for Resource and Environment Studies, Australian National University

Professor Graeme Hugo, Professor of Geography, University of Adelaide

Dr Tim Milne, Nature Conservation Society of South Australia

Dr Monica Oliphant, Consultant Research Scientist in Renewable Energy and Residential Energy Efficiency

Dr David Paton, Senior Lecturer, Environmental Biology, University of Adelaide

Ann Prescott, Science Communicator, Ann Prescott and Associates Pty Ltd

Dr John Radcliffe, Advisor to the Commonwealth Scientific and Industrial Research Organisation

Vicki-Jo Russell, Threatened Species Network

Dr Simon Stone, Chair, Wildlife Advisory Committee

Professor Michael Taylor, Transport Systems Centre, University of South Australia

Matthew Turner, Scientific Officer, Nature Conservation Society of South Australia

Tom Whitworth, Manager, Atmosphere and Noise, Environment Protection Authority/Clean Air Society of Australia & New Zealand