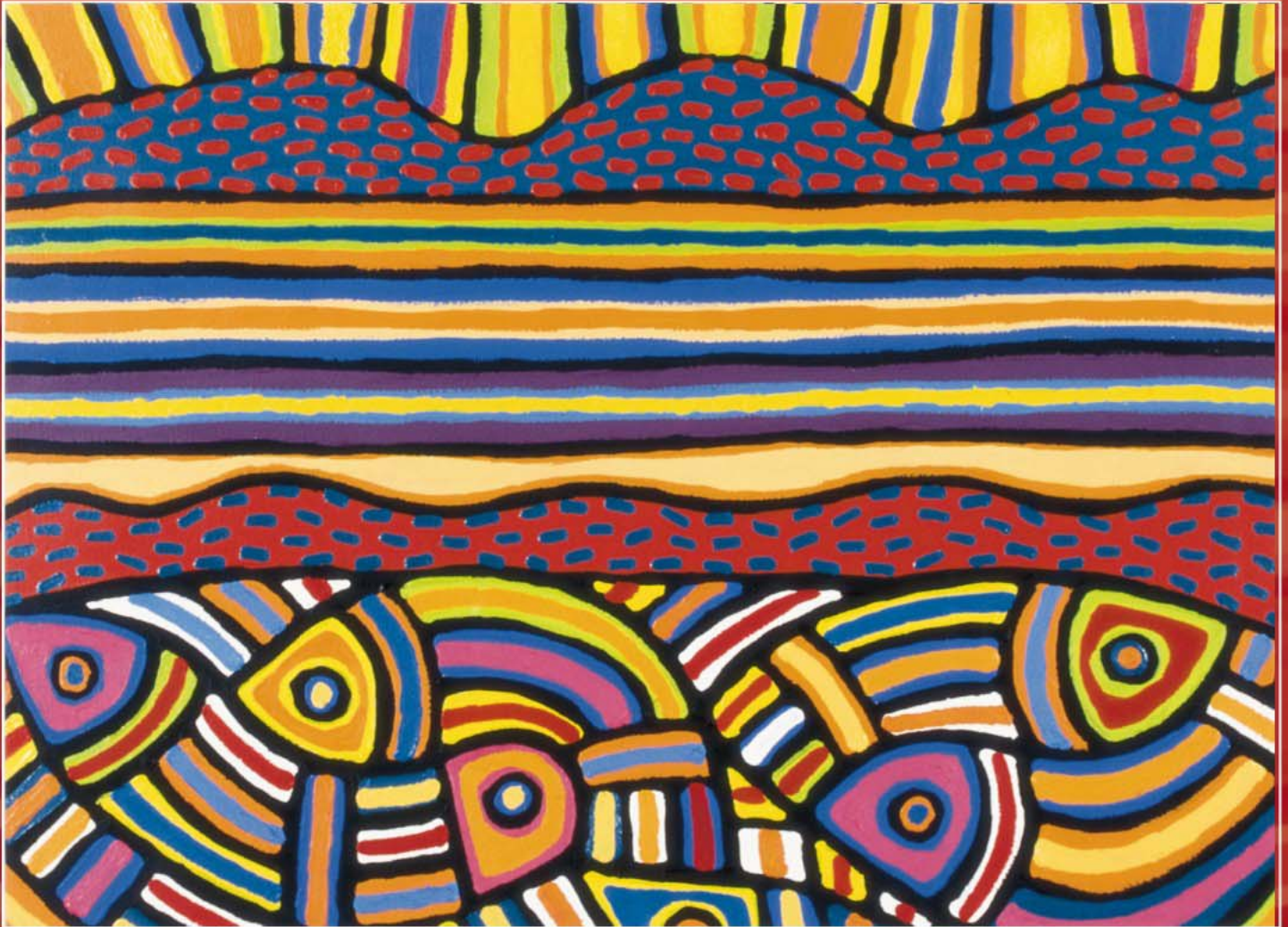


SEPTEMBER 2004 • VOLUME 1 NUMBER 3

# ECOHEALTH



*Oceans & Health*

Conservation Medicine • Human Health • Ecosystem Sustainability

Available  
online

[www.springerlink.com](http://www.springerlink.com)



Springer

ISSN 1612-9202 (Print)

ISSN 1612-9210 (Electronic)

10393 • 1(3) 000-000 (2004)



## ***Thematic Issue: Oceans and Health***

### **EDITORIAL**

- One Ocean, One Health 211  
*Bruce A. Wilcox and A. Alonso Aguirre*

### **COVER ESSAY**

- Before the Drought? 213  
*Pierre Horwitz*

- In This Issue 215

- What's New? 217

### **PROFILES**

- Pioneering Interdisciplinary Research Initiatives for Oceans and Human Health 220  
*Donald L. Rice, Allen Dearry, and David L. Garrison*

### **COMMENTARIES**

- Ecosystem Health and Sentinel Species: Adding an Ecological Element to the Proverbial "Canary in the Mineshaft" 226  
*Gary M. Tabor and A. Alonso Aguirre*

- Question of Mutual Security: Exploring Interactions between the Health of Coral Reef Ecosystems and Coastal Communities 229  
*Bruce G. Hatcher and Gordon H. Hatcher*

### **SPECIAL SECTION: MARINE SENTINEL SPECIES**

- Introduction: Marine Vertebrates as Sentinels of Marine Ecosystem Health 236

*A. Alonso Aguirre and Gary M. Tabor*

- Southern Sea Otter as a Sentinel of Marine Ecosystem Health 239  
*David A. Jessup, Melissa Miller, Jack Ames, Mike Harris, Christine Kreuder, Patricia A. Conrad, and Jonna A.K. Mazet*

- Bottlenose Dolphins as Marine Ecosystem Sentinels: Developing a Health Monitoring System 246

*Randall S. Wells, Howard L. Rhinehart, Larry J. Hansen, Jay C. Sweeney, Forrest I. Townsend, Rae Stone, David R. Casper, Michael D. Scott, Aleta A. Hohn, and Teri K. Rowles*

- Manatees as Sentinels of Marine Ecosystem Health: Are They the 2000-pound Canaries? 255

*Robert K. Bonde, A. Alonso Aguirre, and James Powell*

- Marine Birds as Sentinels of Environmental Pollution 263  
*Joanna Burger and Michael Gochfeld*

- Marine Turtles as Sentinels of Ecosystem Health: Is Fibropapillomatosis an Indicator? 275

*A. Alonso Aguirre and Peter L. Lutz*



**On the Cover:** *Life before the Drought*, by Julie Weekes. See the Cover Essay, "Before the Drought?," by Pierre Horwitz, *EcoHealth* 1:213–214, 2004. Reproduced with the permission of the artist, and of Edith Cowan University, Mt. Lawley, Western Australia, Australia, in whose collection the artwork is kept.

## **REVIEWS**

Dust Storms and Their Impact on Ocean and Human Health: Dust in Earth's Atmosphere 284

*Dale W. Griffin and Christina A. Kellogg*

Neglected Consequences: Role of Introduced Aquatic Species in the Spread of Infectious Diseases 296

*Karen Levy*

## **ORIGINAL CONTRIBUTIONS**

Anthropogenic Landscape Change and Vectors in New Zealand: Effects of Shade and Nutrient Levels on Mosquito Productivity 306

*Paul T. Leisnham, Philip J. Lester, David P. Slaney, and Philip Weinstein*

## **SHORT COMMUNICATIONS**

Analysis of Coral Mucus as an Improved Medium for Detection of Enteric Microbes and for Determining Patterns of Sewage Contamination in Reef Environments 317

*Erin K. Lipp and Dale W. Griffin*