CONTENTS

List of figures x
List of tables xii
List of contributors xiv
Acknowledgements xviii

PART 1
Introduction 1

1 Introduction: the environment in Southeast Asia's past, present and future 3
   Philip Hirsch

PART 2
Thematic approaches to environment 15

2 Understanding the physical environment of Southeast Asia:
   a prerequisite for better environmental management 17
   Avijit Gupta

3 Environmental histories of Southeast Asia 31
   Peter Boomgaard

4 Population growth and environmental degradation in Southeast Asia 46
   Rodolphe De Koninck and Pham Thanh Hai

5 Environmentalism 69
   Tim Forsyth

6 A Southeast Asian political ecology 82
   Peter Vandergeest and Robin Roth

vii
Contents

7 Environmental neoliberalism in Southeast Asia
Keith Barney 99

8 Environmental law in Southeast Asia
Ben Boer 115

9 Environmental governance and decentralization
Robert Fisher 133

10 Transboundary environmental politics in Southeast Asia: issues, responses and challenges
Antonio P. Contreras 147

PART 3
Sectoral issues in natural resources and environment 157

11 Forests and biodiversity
Frances Seymour and Peter Kanowski 159

12 Shifting cultivation and human interaction with forests
Rob Cramb 180

13 Water, rivers and dams
Carl Middleton 204

14 Social and political ecology of fisheries and aquaculture in Southeast Asia
Simon R. Bush and Melissa Marschke 224

15 Urban environmental transitions in Southeast Asia
Peter J. Marcotullio 239

16 Peri-urbanization and environmental issues in mega-urban regions
Edsel E. Sajor 264

17 Adaptation to climate change in Southeast Asia: developing a relational approach
Albert Salamanca and Jonathan Rigg 280

18 Migration and the environment
Rebecca Elmhirst 298

PART 4
Regional and country studies in environment 313

19 The role of ASEAN in shaping regional environmental protection
Koh Kheng-Lian and Md. Saiful Karim 315
Contents

20 The Mekong: strategic environmental assessment of mainstream hydropower development in an international river basin
Jeremy Carew-Reid 334

21 Cambodia: territorialisation of natural resources and environmental management
Mak Sithirith 356

22 Indonesia: a political–economic history of environment and resources
Jeff Neilson 374

23 Laos: abundance, scarcity and the shifting role of natural resources
Yayoi Fujita Lagerqvist 390

24 Malaysia: structure and agency of the environmental movement
Fadzilah Majid Cooke and Adnan A. Hezri 400

25 Myanmar: evolving environmental governance under a regime in transition
Adam Simpson 418

26 The Philippines: historical and geographical framing of ecological degradation and environmental governance
Donacie Zoleta-Nantes 430

27 Singapore: sustaining a global city-state and the challenges of environmental governance in the twenty-first century
Carl Grundy-Warr and Victor R. Savage 448

28 Thailand: whither gender in the environmental movement?
Pinkaew Laungaramsri 470

29 Timor Leste: embracing resource governance through ritual in a post-conflict society
Lisa Palmer 483

30 Vietnam: governmental and societal response to emergent environmental issues in the Mekong Delta
Le Anh Tuan 496

Index 509