Contents

Part I  Understanding Adaptive Management

1  Introduction ................................................................. 3
   George Stankey and Catherine Allan

2  Components of Adaptive Management .................................. 11
   Robert M. Argent

Part II  Varying Contexts

3  Lessons Learned from Adaptive Management
   Practitioners in British Columbia, Canada .................................. 39
   Alanya C. Smith

4  Using Adaptive Management to Meet Multiple Goals
   for Flows Along the Mitta Mitta River
   in South-Eastern Australia .................................................. 59
   Catherine Allan, Robyn J. Watts, Sarah Commens
   and Darren S. Ryder

5  Adaptive Management of a Sustainable Wildlife
   Enterprise Trial in Australia’s Barrier Ranges .......................... 73
   Peter Ampt, Alex Baumber, and Katrina Gepp

6  Learning About the Social Elements of Adaptive
   Management in the South Island Tussock Grasslands
   of New Zealand ............................................................... 95
   Will Allen and Chris Jacobson

7  Kuka Kanyini, Australian Indigenous Adaptive Management .......... 117
   George Wilson and Margaret Woodrow
8 Crisis as a Positive Role in Implementing Adaptive Management After the Biscuit Fire, Pacific Northwest, U.S.A. .......................... 143
Bernard T. Bormann and George H. Stankey

Part III  Tools for Adaptive Management

9 Modelling and Adaptive Environmental Management ........................................ 173
Tony Jakeman, Serena Chen, Lachlan Newham, and Carmel A. Pollino

10 Lessons Learned from a Computer-Assisted Participatory Planning and Management Process in the Peak District National Park, England .................................................. 189
Klaus Hubacek and Mark Reed

11 Signposts for Australian Agriculture ................................................................. 203
Jean Chesson, Karen Cody, and Gertraud Norton

12 Environmental Management Systems as Adaptive Natural Resource Management: Case Studies from Agriculture ......................................................... 209
George Wilson, Melanie Edwards, and Genevieve Carruthers

Glenys Jones

Part IV  The Importance of People

14 Adaptive Management of Environmental Flows – 10 Years On .......................... 261
Tony Ladson

15 Collaborative Learning as Part of Adaptive Management of Forests Affected by Deer ................................................................................. 275
Chris Jacobson, Will Allen, Clare Veltman, Dave Ramsey, David M. Forsyth, Simon Nicole, Rob Allen, Charles Todd, and Richard Barker

16 Effective Leadership for Adaptive Management .................................................. 295
Lisen Schultz and Ioan Fazey

17 Institutionalising Adaptive Management: Creating a Culture of Learning in New South Wales Parks and Wildlife Service ......................................................... 305
Peter Stathis and Chris Jacobson
 Contents ix

18  Adaptive People for Adaptive Management .............................................. 323
    Ioan Fazey and Lisen Schultz

Part V  Conclusion

19  Synthesis of Lessons ........................................................................... 341
    Catherine Allan and George Stankey

Index ........................................................................................................... 347