

CONTENTS

<i>List of figures</i>	xii
<i>List of tables</i>	xiii
<i>Notes on contributors</i>	xiv
<i>Acknowledgements</i>	xxi

PART I

Introduction	1
---------------------	----------

- | | | |
|---|---|----|
| 1 | Editors' introduction | 3 |
| | <i>Gavin Bridge, James McCarthy, and Tom Perreault</i> | |
| 2 | Now and then: the origins of political ecology and the rebirth of adaptation as a form of thought | 19 |
| | <i>Michael J. Watts</i> | |

PART II

Origins, trajectories, and futures	51
---	-----------

- | | | |
|---|--|----|
| 3 | Speaking truth to power: a personal account of activist political ecology | 53 |
| | <i>Ben Wisner</i> | |
| 4 | The power-full distribution of knowledge in political ecology: a view from the South | 64 |
| | <i>Enrique Leff</i> | |

5	French research traditions on peasant agricultural systems: a convergence with political ecology? <i>Denis Gautier and Christian A. Kull</i>	76
6	The Trickster science <i>Paul Robbins</i>	89
7	From critique to experiment? Rethinking political ecology for the Anthropocene <i>Bruce Braun</i>	102
PART III		
	Doing political ecology	115
8	Ethics, entanglement, and political ecology <i>Juanita Sundberg</i>	117
9	Ethics in research beyond the human <i>Rosemary-Claire Collard</i>	127
10	Relationships and research methods: entanglements, intra-actions, and diffraction <i>Abigail H. Neely and Thokozile Nguse</i>	140
11	Methods and environmental science in political ecology <i>Karl S. Zimmerer</i>	150
12	Political ecologies of activism and direct action politics <i>Nik Heynen and Levi Van Sant</i>	169
13	Political ecology as praxis <i>Alex Loftus</i>	179
14	Political ecology and policy: a case study in engagement <i>Brent McCusker</i>	188
15	At the boundaries of <i>la política</i> : political ecology, policy networks and moments of government <i>Anthony Bebbington</i>	198

PART IV	
Core questions in political ecology	209
Part IV, section A introduction: Environmental knowledge	211
16 Reassembling the structural: political ecology and Actor-Network Theory <i>Rebecca Lave</i>	213
17 The promises of participation in science and political ecology <i>David Demeritt</i>	224
18 Local environmental knowledge <i>Leah S. Horowitz</i>	235
19 Participatory mapping <i>Joe Bryan</i>	249
20 Historical approaches to political ecology <i>Diana K. Davis</i>	263
Part IV, section B introduction: Environmental change	277
21 Capitalism and the Marxist critique of political ecology <i>Noel Castree</i>	279
22 Political ecology of risk, hazards, vulnerability, and capacities <i>James L. Wescoat Jr.</i>	293
23 Reading climate change and climate governance as political ecologies <i>Diana Liverman</i>	303
24 Environment and development: reflections from Latin America <i>Astrid Ulloa</i>	320
25 Political ecology and livelihoods <i>Edward R. Carr</i>	332
26 Political ecologies of disease and health <i>Brian King</i>	343

27	Political ecologies of environmental degradation and marginalization <i>Tor A. Benjaminsen</i>	354
28	Industrialization and environmental change <i>Stefania Barca and Gavin Bridge</i>	366
29	Conceptualizing ecologically unequal exchange: society and nature entwined <i>Alf Hornborg</i>	378
Part IV, section C introduction: Environmental governance		389
30	Nature conservation <i>Roderick P. Neumann</i>	391
31	The political ecology of international agri-food systems <i>Derek Hall</i>	406
32	Certified political ecology <i>Jonathan Otto and Tad Mutersbaugh</i>	418
33	Property and commodification <i>Scott Prudham</i>	430
34	Neoliberalization of nature <i>Karen Bakker</i>	446
35	Environmental governance: political ecology and the state <i>Morgan Robertson</i>	457
36	Eco-governmentality <i>Gabriela Valdivia</i>	467
37	Energy and social power: from political ecology to the ecology of politics <i>Matt Huber</i>	481
38	From biodiversity to biosecurity <i>Celia Lowe</i>	493
39	Scales and polities <i>Nathan F. Sayre</i>	504

Part IV, section D introduction: Environmental identities	517
40 Feminist political ecology <i>Rebecca Elmhirst</i>	519
41 Indigeneity <i>Emily T. Yeh and Joe Bryan</i>	531
42 On the concreteness of labor and class in political ecology <i>Michael Ekers</i>	545
43 Nature, difference and the body <i>Julie Guthman and Becky Mansfield</i>	558
Part IV, section E introduction: Environmental politics	571
44 Social movements <i>Wendy Wolford and Sara Keene</i>	573
45 Environmental justice and political ecology <i>Ryan Holifield</i>	585
46 Environmental conflict <i>Philippe Le Billon</i>	598
47 Urbanization and environmental futures: politicizing urban political ecologies <i>Erik Swyngedouw</i>	609
Conclusion	620
48 Editors' conclusion <i>James McCarthy, Tom Perreault, and Gavin Bridge</i>	620
<i>Index</i>	630