

CONTENTS

Preface	7
Publisher's note	9
PART 1 THE BACKGROUND	
1 The lie of the land	13
Margaret Bradshaw and Jane Soons	
2 People, environment and landscape since the 1840s	37
Eric Pawson and Peter Holland	
3 Maori land and livelihood AD 1250–1850	65
Atholl Anderson	
4 Soils	89
Trevor H. Webb	
5 Weather and climate	119
Andrew Sturman	
6 Botanical history	143
John Lovis	
7 Late Quaternary vegetation	169
Neville Moar	
PART 2 THE LAND	
8 Vegetation of the Canterbury Plains and downlands	195
Colin D. Meurk	
9 Vegetation of Banks Peninsula	251
Hugh D. Wilson	
10 Vegetation of the mountains	279
Colin J. Burrows and Hugh D. Wilson	
11 Amphibians and reptiles	347
A. H. Whitaker	
12 Land mammals	383
Graham J. Hickling, Ben Reddiex and Catherine de Monchy	
13 Fossil mammals	415
R. Ewan Fordyce	
14 Birds	429
Paul M. Sagar	

15 Late Quaternary avifauna	445
Richard N. Holdaway and Trevor H. Worthy	
16 Terrestrial invertebrates	493
Eckehard Brockerhoff, Steve Pawson, Roger Dungan, Michal Sarfati, Mike Bowie and Steve Wratten	
PART 3 FRESHWATER COMMUNITIES	
17 Lakes, ponds and tarns	551
Vida M. Stout and Michael J. Winterbourn	
18 Rivers and streams	589
Michael J. Winterbourn	
19 Freshwater fishes	616
Robert McDowall and Angus McIntosh	
PART 4 THE SEA AND COAST	
20 Coastal systems	653
Deirdre E. Hart, Islay D. Marsden and Malcolm Francis	
21 Marine mammals	685
Stephen M. Dawson	
22 Rocky shores and reefs	703
Islay D. Marsden and George A. Knox	
23 Estuaries, harbours and inlets	735
Islay D. Marsden and George A. Knox	
24 Vegetation of the coast	771
Colin J. Burrows and Trevor R. Partridge	
PART 5 THE FUTURE	
25 Rare and endangered plants and animals	793
David R. Given and Colin F. J. O'Donnell	
26 Progress and prospects for ecological restoration	819
George A. Knox and Kevin F. O'Connor	
27 Conservation in past and future land use	847
Kevin F. O'Connor and George A. Knox	

Notes on contributors

Index