

Contents

List of contributors [xi]

Prologue [xiii]

Preface [xv]

Acknowledgments [xxii]

Part I The integration of two disciplines: conservation and behavioral ecology [1]

- 1 Introduction: the whys and the hows of conservation behavior
Oded Berger-Tal and David Saltz [3]
- 2 Evolution and conservation behavior
John P. Swaddle [36]
- 3 Learning and conservation behavior: an introduction and overview
Zachary Schakner and Daniel T. Blumstein [66]

Part II Anthropogenic impacts on animal behavior and their implications for conservation and management [93]

- 4 Behavioral rigidity in the face of rapid anthropogenic changes
Oded Berger-Tal and David Saltz [95]
- 5 Anthropogenic impacts on behavior: the pros and cons of plasticity
Daniel I. Rubenstein [121]

Part III Behavior-based management: using behavioral knowledge to improve conservation and management efforts [147]

- 6 The role of animal sensory perception in behavior-based management
Esteban Fernández-Juricic [149]

- 7 Behavior-based contributions to reserve design and management
*Colleen Cassady St. Clair, Rob Found, Aditya Gangadharan
and Maureen Murray* [176]
- 8 Behavior-based management: conservation translocations
Ben D. Bell [212]
- 9 From individual behavior to population viability: implications for
conservation and management
Carmen Bessa Gomes and François Sarrazin [247]
- 10 Manipulating animal behavior to ensure reintroduction success
Debra Shier [275]

Part IV Behavioral indicators [305]

- 11 Direct behavioral indicators as a conservation and management tool
Burt P. Kotler, Douglas W. Morris and Joel S. Brown [307]
- 12 Indirect behavioral indicators and their uses in conservation
and management
Oded Berger-Tal and David Saltz [352]

Index [376]