

Contents

Foreword ix

Preface xiii

Acknowledgments xv

1 Living in a Complex World:
An Introduction to Resilience Thinking 1

CASE STUDY 1

Carving up a National Icon:
The Florida Everglades 15

2 The System Rules:
Creating a Mind Space for Resilience Thinking 28

CASE STUDY 2

Between a (Salt) Rock and a Hard Place:
The Goulburn-Broken Catchment, Australia 39

3 Crossing the Threshold: Be Careful about the
Path You Choose—You May Not Be Able to Return 53

CASE STUDY 3

Losing the Jewel in the Crown:
The Coral Reefs of the Caribbean 64

4 In the Loop: Phases, Cycles, and Scales—
Adaptive Cycles and How Systems Change 74

CASE STUDY 4

Scenarios on the Lakes:
The Northern Highlands Lake District, Wisconsin 96

5 Making Sense of Resilience:
How Do You Apply Resilience Thinking? 111

CASE STUDY 5

Building Resilience in the Wetlands:
The Kristianstads Vattenrike, Sweden 125

6 Creating Space in a Shrinking World:
Resilience and Sustainability 139

Postscript for a Resilient World 153

Further Reading 155

References 159

Glossary 163

About the Authors 167

Index 169