CONTENTS

| FOREWORD | 5 | |
|---|----|------|
| PREFACE AND ACKNOWLEDGMENTS | 7 | |
| FOUNDATIONS | 9 | |
| Time Changes | 9 | |
| Objectives | 12 | |
| Development of landscape ecology | 12 | |
| Landscape ecology today | 14 | |
| DADT ONE DDINGIDLES | 19 | |
| PART ONE: PRINCIPLES | | |
| Patches | 19 | |
| Patch size: Large or small? | 20 | |
| Patch number: How many? | 22 | |
| Patch location: Where? | 24 | |
| Edges and boundaries | 27 | |
| Edge structure | 28 | |
| Boundaries: Straight or convoluted? | 29 | |
| Shapes of patches: Round or convoluted? | 31 | |
| Corridors and Connectivity | 35 | |
| Corridors for species movement | 36 | 3110 |
| Stepping stones | 37 | |
| Road and windbreak barriers | 38 | |
| Stream and river corridors | 39 | |
| Mosaics | 41 | |
| Networks | 42 | |
| Fragmentation and pattern | 44 | |
| Scale: Fine or coarse? | 45 | |
| PART TWO: PRACTICAL APPLICATIONS | 47 | |
| Schematic Applications | 49 | |
| Case studies in brief | 57 | |
| SUMMARY AND CONCLUSION | 69 | |
| ADDITIONAL REFERENCES | 71 | |