Contents

Preface, ix Acknowledgments, xi

Part One. Wyoming and the Rocky Mountain West

- 1. Introduction, 3
- 2. Landscape History, 12
- 3. Present-Day Environments and Climate Change, 27

Part Two. Wetlands

- 4. Riparian Landscapes, 45
- 5. Marshes, Playa Wetlands, Wet Meadows, and Fens, 66

Part Three. Plains and Intermountain Basins

- 6. Grasslands, 83
- 7. Sagebrush, 109
- 8. Desert Shrublands and Playas, 131
- Sand Dunes, Badlands, Mud Springs, and Mima Mounds, 142

Part Four. Foothills and Mountains

- Escarpments and the Foothill Transition, 155
- 11. Mountain Forests, 173
- 12. The Forest Ecosystem,
- 13. Mountain Meadows and Snowglades, 221
- 14. Upper Treeline and Alpine Tundra, 230

Part Five. Landscapes of Special Interest

- 15. The Greater Yellowstone Ecosystem, 245
- 16. The Black Hills, Bear Lodge Mountains, and Devils Tower, 266
- 17. The Laramie Basin, 282

Part Six. Sustainable Land Management

18. Using Western Landscapes, 305 Epilogue, 319

Appendix A: Conversion

Table, 321

Appendix B:

Characteristic Soil

Types, 322

Notes, 325

References, 349

Index, 387