Contents

Contributors 00
Preface 00
Acknowledgments 00

1 The History of Wildlife Strikes and Management at Airports 000
Richard A. Dolbeer 1

PART I • Wildlife Management Techniques

2 Behavior and Physiology in the Development and Application of Visual Deterrents at Airports 000
Bradley F. Blackwell and Esteban Fernández-Juricic

3 Effectiveness of Chemical Repellents in Managing Birds at Airports 000
Larry Clark and Michael L. Avery

4 Tactile and Auditory Repellents to Reduce Wildlife Hazards to Aircraft 000
Thomas W. Seamans, James A. Martin, and Jerrold L. Belant

5 Excluding Mammals from Airports 000
Kurt C. VerCauteren, Michael Lavelle, and Thomas W. Seamans

6 Wildlife Translocation as a Management Alternative at Airports 000
Paul D. Curtis, Jonathon D. Cepek, Rebecca Mihalco, Thomas W. Seamans, and Scott R. Craven

7 Population Management to Reduce the Risk of Wildlife–Aircraft Collisions 000
Richard A. Dolbeer and Alan B. Franklin

PART II • Managing Resources

8 Identification and Management of Wildlife Food Resources at Airports 000
Travis L. DeVault and Brian E. Washburn

9 Managing Airport Stormwater to Reduce Attraction to Wildlife 000
Bradley F. Blackwell, David Felstul, and Thomas W. Seamans

10 Managing Turfgrass to Reduce Wildlife Hazards at Airports 000
Brian E. Washburn and Thomas W. Seamans

11 Wildlife Conservation and Alternative Land Uses at Airports 000

PART III • Wildlife Monitoring

12 Understanding Animal Movements at and near Airports 000
Jerrold L. Belant, Brian E. Washburn, and Travis L. DeVault

13 Radar Technology to Monitor Hazardous Birds at Airports 000
Sidney A. Gauthreaux Jr. and Paige M. Schmidt

14 Avian Survey Methods for Use at Airports 000
Bradley F. Blackwell, Paige M. Schmidt, and James A. Martin

15 Conclusions and Future Directions 000
Jerrold L. Belant, Travis L. DeVault, and Bradley F. Blackwell

Appendix. Regulations for Wildlife Management at Airports 000
Richard A. Dolbeer

Index 000