

CONTENTS

LIST OF AUTHORS	v
PREFACE	viii
INTRODUCTION Mark K. Sogge, Barbara E. Kus, Susan J. Sferra, and Mary J. Whitfield	1
 STATUS AND DISTRIBUTION	
Introduction	Barbara E. Kus and Mark K. Sogge 3
Distribution and characteristics of Southwestern Willow Flycatcher breeding sites and territories: 1993–2001	Mark K. Sogge, Susan J. Sferra, Tracy D. McCarthy, Sartor O. Williams, and Barbara E. Kus 5
Southwestern Willow Flycatcher populations in California: distribution, abundance, and potential for conservation	Barbara E. Kus, Peter P. Beck, and Jeffrey M. Wells 12
Distribution, abundance, and habitat characteristics of Southwestern Willow Flycatchers (<i>Empidonax traillii extimus</i>) in Arizona, 1993–2000	Charles E. Paradzick and April A. Woodward 22
The distribution and abundance of Southwestern Willow Flycatchers on the lower Santa Ynez River, California	Chris Farmer, Stephen I. Rothstein, and Mark A. Holmgren 30
Distribution and habitat characteristics of the Willow Flycatcher (<i>Empidonax traillii</i>) in Alberta	Bryan Kulba and W. Bruce McGillivray 36
Willow Flycatcher winter habitat in El Salvador, Costa Rica, and Panama: characteristics and threats ...	Janet C. Lynn, Thomas J. Koronkiewicz, Mary J. Whitfield, and Mark K. Sogge 41
 BREEDING ECOLOGY AND BEHAVIOR	
Introduction	Mary J. Whitfield, Mark K. Sogge, Susan J. Sferra, and Barbara E. Kus 53
Willow Flycatchers in Warner Valley, Plumas County, California	Anne M. King and Jon R. King 56
Scale perspectives in habitat selection and animal performance for Willow Flycatchers (<i>Empidonax traillii</i>) in the central Sierra Nevada, California	Helen L. Bombay, Michael L. Morrison, and Linnea S. Hall 60
Willow Flycatcher nesting ecology and habitat relationships in the Willamette Basin, Oregon	Bob Altman, Margaret Boulay, Steve Dowlan, Dan Crannell, Kevin Russell, Kat Beal, and Jeff Dillon 73
A characterization of vegetation in nesting and non-nesting plots for Southwestern Willow Flycatchers in central Arizona	Linda J. Allison, Charles E. Paradzick, James W. Rourke, and Tracy D. McCarthy 81
Microhabitat use by breeding Southwestern Willow Flycatchers on the Gila River, New Mexico	Scott H. Stoleson and Deborah M. Finch 91

Food habits of the Southwestern Willow Flycatcher during the nesting season	Charles A. Drost, Eben H. Paxton, Mark K. Sogge, and Mary J. Whitfield	96
The status of the Willow and Pacific-slope flycatchers in northwestern California and southern Oregon ...	C. John Ralph and Kimberly Hollinger	104
Effects of monogamy and polygyny on reproductive success in Southwestern Willow Flycatchers (<i>Empidonax traillii extimus</i>) in Arizona	Rebecca F. Davidson and Linda J. Allison	118
Singing behavior of Southwestern Willow Flycatchers in Arizona	Helen K. Yard and Bryan T. Brown	125
MANAGEMENT, CONSERVATION, AND RESEARCH NEEDS		
Introduction	Susan J. Sferra, Mark K. Sogge, Mary J. Whitfield, and Barbara E. Kus	131
Riparian restoration on the Gila River, New Mexico, creates breeding habitat for Southwestern Willow Flycatchers	Paul F. Boucher, Scott H. Stoleson, Roland S. Shook, Ralph D. Pope, and Jerry Monzingo	135
Movements and home-range estimates for female Brown-headed Cowbirds along the Rio Grande, New Mexico	Juddson D. Sechrist and Darrell D. Ahlers	143
Densities of Brown-Headed Cowbirds in riparian and rangeland areas, with and without cattle present, along the middle Rio Grande, New Mexico ..	Rinda E. Tisdale-Hein and Richard L. Knight	152
Recommendations for cowbird management in recovery efforts for the Southwestern Willow Flycatcher	Stephen I. Rothstein, Barbara E. Kus, Mary J. Whitfield, and Susan J. Sferra	157
Environmental contaminants in surrogate birds and insects inhabiting Southwestern Willow Flycatcher habitat in Arizona	Miguel A. Mora, James Rourke, Susan J. Sferra, and Kirke King	168
A field evaluation of the Southwestern Willow Flycatcher survey protocol	Roland S. Shook, Scott H. Stoleson, and Paul Boucher	177
A solution to leg band injuries in Willow Flycatchers	William E. Haas and Lori Hargrove	180
Using radiotelemetry to determine home range size, habitat use, and movement patterns of Willow Flycatchers	Eben H. Paxton, Suzanne N. Cardinal, and Thomas J. Koronkiewicz	185
LITERATURE CITED		190