

CONTENTS

Foreword ix

Preface xi

Acknowledgments xiii

Acronyms and Abbreviations xxi

Introduction 1

The History of Grid-based Ornithological Atlases 2

Procedures 4

Coverage 12

The Environment 13

Representative Maryland Habitats 20

Results 28

Coverage 28 • Scale 28 • Effort 28 •

Changes in Bird Distribution 30 • Changes in

Abundance 31 • New Breeding Species 32 •

Species Lost 32

Conservation 33

Using the Species Accounts 36

Species Accounts 37

Additional Accounts of Potential Nesting Birds 439

Appendixes

A. *Safe Dates for Maryland Breeding Birds* 443

B. *Total Species per Block, First and Second Atlases* 446

C. *Quarterblock Results* 455

D. *Abundance Definitions* 461

E. *Nonavian Fauna Cited* 462

F. *Plants Cited* 463

References 465

Index 491