

AUTHORS CONTENTS CONTRIBUTORS

AUTHORS AND CONTRIBUTORS vii

FOREWORD ix

RICK SHINE

PREFACE xi

PART ONE

Introduction

1 Studying Reptile Diversity / 3

MERCEDES S. FOSTER, ROY W. MCDIARMID,
AND NEIL CHERNOFF

2 Reptile Diversity and Natural History:
An Overview / 7

ROY W. MCDIARMID

PART TWO

Planning a Diversity Study

3 Study Design and Sampling / 27

ROBERT N. FISHER AND MERCEDES S. FOSTER,
Chapter Coordinators

4 Dealing with Associated Data / 51

MERCEDES S. FOSTER AND ROBERT N. FISHER,
Chapter Coordinators

5 Finding and Capturing Reptiles / 77

LEE A. FITZGERALD

6 Voucher Specimens / 89

ROBERT P. REYNOLDS AND ROY W. MCDIARMID

7 Preparing Reptiles as Voucher Specimens / 95

MERCEDES S. FOSTER, Chapter Coordinator

8 Dealing with Live Reptiles / 127

MERCEDES S. FOSTER, Chapter Coordinator

9 Marking Reptiles / 143

MICHAEL V. PLUMMER AND JOHN W. FERNER

10 Determining Age, Sex, and Reproductive
Condition / 151

ROBERT N. REED AND ANTON D. TUCKER

PART THREE

Sampling Reptile Diversity

11 Techniques for Reptiles in Difficult-to-Sample
Habitats / 167

ROBERT E. LOVICH, Chapter Coordinator

12 Statistical Properties of Techniques and
Validation / 197

GORDON H. RODDA

13 Standard Techniques for Inventory and
Monitoring / 205

MERCEDES S. FOSTER, Chapter Coordinator

14 Parametric Analysis of Reptile Biodiversity
Data / 273

CHAD L. CROSS, NATALIA ANANJEVA, NIKOLAI L. ORLOV,
AND ANTONIO W. SALAS

15 Population Size and Demographics / 283

GORDON H. RODDA

16 Monitoring Exploited Species / 323

LEE A. FITZGERALD

PART FOUR

Conclusions

17 Reptile Biodiversity: Where Do We Go from
Here? / 335

ROY W. MCDIARMID AND MERCEDES S. FOSTER

APPENDIX I Selected Institutions with Significant
Collections of Reptiles 341

MERCEDES S. FOSTER AND ROY W. MCDIARMID

APPENDIX II Websites of Interest 345

MERCEDES S. FOSTER

LITERATURE CITED 349

ADDRESSES OF AUTHORS AND CONTRIBUTORS 391

INDICES 395