

CONTENTS

Introduction	1
Plants	3
Science and Vernal Pool Conservation: Research Questions, Methodologies and Applications Based on a Case Study of <i>Pogogyne abramsii</i> in San Diego County, California ELLEN T. BAUDER	5
The Population and Genetic Status of the Endangered Vernal Pool Annual <i>Limnanthes floccosa</i> Howell ssp. <i>californica</i> Arroyo: Implications for Species Recovery CHRISTINA M. SLOOP	25
The Ecology, Evolution, and Diversification of the Vernal Pool Niche in <i>Lasthenia</i> (Madieae, Asteraceae) NANCY C. EMERY, LORENA TORRES-MARTINEZ, ELISABETH FORRESTEL, BRUCE G. BALDWIN AND DAVID D. ACKERLY	39
A Comparison of Pollination Interactions in Natural and Created Vernal Pools in the Santa Rosa Plain, Sonoma County, California JOAN M. LEONG	59
Animals	71
Determining the Migration Distance of a Vagile Vernal Pool Specialist: How Much Land is Required for Conservation of California Tiger Salamanders? CHRISTOPHER A. SEARCY AND H. BRADLEY SHAFFER	73
The Use of Eastern Sacramento Valley Vernal Pool Habitats by Geese and Swans RAYMOND J. BOGIATTO, SABRINA M. WRIGHT-MYERS, STACY H. KRAUS, JENNIFER L. MOORE AND JOHN W. HUNT	89
Macroinvertebrate Bioassessment in Temporary Wetlands: Limitations and Opportunities D. CHRISTOPHER ROGERS	101

Geography and soils	105
Great Valley Vernal Pool Distribution Rephotorevised 2005 ROBERT F. HOLLAND.....	107
Substrates in a Vernal Pool Landscape as Illustrated in the Butte Area Natural Resources Conservation Service Soil Survey ANDREW E. CONLIN	123
Management	129
Accuracy of a Hydrogeomorphic Guidebook for Functional Assessment of Vernal Pools in Southern California ANDREW J. BOHONAK AND ELLEN T. BAUDER	131
A Coalition Of The Willing: Environmentalists, Agencies and Ranchers All See Benefits of Managed Grazing TRACY SCHOHR	145
UC Merced: A Consensus Planning Success Story? CAROL W. WITHAM	151
Preservation History and Recovery Plans	155
Vernal Pool Critical Habitat and Recovery: A Tale of Two Plans BARBARA VLAMIS	157
Recovery Plan for Vernal Pool Ecosystems of California and Southern Oregon: Methods to Achieve Recovery ELIZABETH WARNE	167