TABLE OF CONTENTS

2015 NM WRRI Water Conference Advisory Committee	i
Program	ii
Is New Mexico Resilient to the Coming Water Supply Challenges? Dagmar Llewellyn, Bureau of Reclamation	1
Groundwater Availability: An Issue of Scale and Science-Based Water Management Kevin Dennehy, U.S. Geological Survey, Groundwater Resources Program	5
Successfully Leading Through the Challenges of Change Michael McElhenie, Being First, Inc	15
Tree-ring Science in Hydroclimatology: Some Great Basin Examples Franco Biondi, University of Nevada, Reno	21
Climate Change: Recent News from the Journals Brad Udall, Colorado Water Institute	33
New Mexico Statewide Water Issues Update John T. Romero, New Mexico Office of the State Engineer	46
The "Abeyta Settlement": Miss the Deadline, Lose the Money, Back to Trials Darcy Bushnell, Utton Transboundary Resources Center	47
Regional Topics (Moderated by José A. Rivera, University of New Mexico) Mountain Hydrology in a Changing Climate John L. Wilson, New Mexico Tech	5 7
NM Land Grants (Mercedes) as the Cradle of Democracy	
David F. Arguello, Acequia Commissioner and Land Grant Official	
Balancing Agricultural Use of Surface and Groundwater Along the Rio Grande	0.
Middle Rio Grande David Gensler, Middle Rio Grande Conservancy District Lower Rio Grande	71
Gary Esslinger, Elephant Butte Irrigation District, Treasurer/Manager J. Phillip King, Elephant Butte Irrigation District	79
The Economic and Social Benefits of an Integrated Approach: Marrying LiDAR Data and the National Hydrographic Dataset	
Elizabeth W. Zeiler, New Mexico Environment Department Carol Giffin, U.S. Geological Survey	85
Capability of the Current New Mexico Water Policy to Adapt to Coming Challenges: New and Innovative Ways to Meet Future Needs Fred Phillips, New Mexico Tech	
Restoring State Forests, Protecting Watersheds and Ensuring a Fresh and Adequate Water Supply	
Laura McCarthy, The Nature Conservancy	99

Beyond Infrastructure: Building Resilience to Water-Related Impacts of Climate Change in the U.S. and Overseas	
Karen MacClune, Institute for Social and Environmental Transition	109
How California is Coping with Drought	
Tanya Trujillo, Colorado River Board of California	115
Watershed Health Panel (Moderated by Ron Gardiner, Land and Water Clinic)	
Connecting Communities and Watersheds and Watershed Health	
Ron Gardiner, Land and Water Clinic	129
Eating the Elephant in Our Watersheds	
Brent Racher, Restoration Solutions, LLC	130
Can Science Help Us Be Creative and Innovative in Managing Our Watersheds?	
Susan Rich, New Mexico Energy, Minerals and Natural Resources Department	133
The Gritty Interface of Science and Policy - Nonpoint Source Pollution in New Mexico	
Abe Franklin, New Mexico Environment Department	137
Setting Restoration Priorities on a Watershed Scale	
Gus Holm, Cimarron Watershed Alliance and Vermejo Park Ranch	141
Summary of Current United States Geological Survey Drought Research in the Western States	
Earl Greene, U.S. Geological Survey, External Research	145
Poster Abstracts	157
Participant List	199