TABLE OF CONTENTS

2016 NM WRRI Water Conference Advisory Committee	. i
Program	. ii
Where Does All the Water Go in New Mexico? Jeffrey J. Wechsler, Montgomery and Andrews Law Firm	. 1
Solving the Colorado River's Problems John Fleck, University of New Mexico, Water Resources Program	. 23
Future Direction of Federal Water Policy Jeff Riley, Bureau of Reclamation, Phoenix Area Office	. 33
Vegetation Management and Water Yield: Silver Bullet or a Pipe Dream? Lee MacDonald, Colorado State University	. 35
Preserving Western Agricultural Water Use Against New Demands Dan Keppen, Family Farm Alliance	. 45
Elements of Resilient Water Policy: A Selective and Informal History of the Utton Transboundary Resource Center's Approach to Supporting Water Resiliency Marilyn O'Leary, Former Director, Utton Transboundary Resources Center	. 57
Monitoring Long-Term Relationships Among Surface Flow, Groundwater, and Vegetation on the Gila River Martha Cooper, The Nature Conservancy Ellen Soles, Southern Colorado Plateau Network of the National Park Service	
2016 Albert E. Utton Memorial Water Lecture: Rethinking Western Water Management Jeff Bingaman, Former United States Senator from New Mexico	. 77
The Changing Gila River: Past, Present, and Future David Gutzler, University of New Mexico	. 81
Groundwater/Surface Water Connections Sam Fernald, Director, New Mexico Water Resources Research Institute	. 101
Riparian Management Effects on Flow Along the Canadian River Jasper Brusuelas, New Mexico State University, master's degree student	. 117
Using Chloride Mass Balance to Quantify Groundwater Recharge in the Mountains of New Mexico David Ketchum, NM Tech, master's degree student, and NM WRRI Student Water Research Grant recipient	127
Managing Drought Risks Through Water Banks: Who Pays and Who Benefits? Bonnie Colby, University of Arizona	. 137
Panel Discussion: Can Vegetation Management Increase Water Yield from Forest and Rangeland Watersh (Moderated by Lee MacDonald, Colorado State University)	eds?
Changing Snowmelt Runoff Dagmar Llewellyn, Bureau of Reclamation	
Amy Lewis, Hydrologist	. 147

Collaborative Forest Management Project in New Mexico Kent Reid, New Mexico Highlands University	152
Gila/San Francisco Watershed Restoration Project - Lessons Learned	133
Alex Thal, Southwest Center for Resource Analysis	
Ralph Pope, Southwest Native Ecosystems Management	158
The Geology of the Silver City Area	
Mary Dowse, WNMU Geologist	161
,	
The Science Behind Measuring Depletions	
Salim Bawazir, New Mexico State University	171
USGS Water Availability and Use Science Program	
Melinda Dalton, U.S. Geological Survey	179
New Mexico Water Update	
Tom Blaine, New Mexico State Engineer	
Greg Ridgley, Office of the State Engineer	199
Poster Abstracts	207
Participant List	247