

Proceedings of

29th Annual New Mexico Water Conference

Water Law in the West

WATER LAW IN THE WEST

PROCEEDINGS OF THE TWENTY-NINTH ANNUAL NEW MEXICO WATER CONFERENCE

New Mexico Water Resources Research Institute

New Mexico State University

Las Cruces, New Mexico

April 26-27, 1984

Α.

TABLE OF CONTENTS

	Page
Preface Thomas G. Bahr, Director New Mexico Water Resources Research Institute	. iv
Advisory Committee	. v
Speakers	. v
Program	. vi
Speakers Photographs	. 1
Speaker Preview	. 4
Keynote Address Dr. Gerald W. Thomas President, New Mexico State University	. 12
Western Water Law: How It Evolved and Where It Is Going with Implications for New Mexico Robert Emmet Clark Professor Emeritus, University of Arizona Law School	. 17
Perspectives on New Mexico Water Law Peter Thomas White Special Assistant Attorney General, State Engineer Office	. 30
Legal, Hydrological and Environmental Issues Surrounding the El Paso Water Suit Thomas G. Bahr Director, Water Resources Research Institute	. 38
Current New Mexico Water Litigation: Hard Choices for New Mexico in the Future Charles T. DuMars Professor, University of New Mexico Law School	. 47
The Rio Grande Compact Jesse B. Gilmer Texas Commissioner, Rio Grande Compact	. 53
The <u>Winters</u> Doctrine and Indian Water Issues Lawrence J. Jensen Associate Solicitor, Office of the Solicitor, Department of the Interior	. 61

TABLE OF CONTENTS (continued)

	Page
A Native American View of Western Water Development Sam Deloria Director, American Indian Law Center, Albuquerque, New Mexico	, 70
Water Law and Economic Development V. Phillip Soice Water Resource Consultant and Counsel, Public Service Company of New Mexico	76
New Directions in Western Water Development Jed D. Christensen Deputy Assistant Secretary for Water and Science, U.S. Department of the Interior	84
Water Quality Laws in New Mexico Bruce S. Garber Attorney at Law, Santa Fe, New Mexico	92
Removal of Heavy Metal Ions from Contaminated Water by Chlorella Vulgaris Ben Greene Doctoral Degree Student, Analytical Chemistry, New Mexico State University	103
Management Tool Craig L. Mapel Master's Degree Student, Agricultural Economics, New Mexico State University	116
Removal of Uranium from Drinking Water Catherine Rankin Undergraduate Student, Civil Engineering, New Mexico State University	134
Toxicity of New Mexico Brackish Groundwaters to Fingerling Channel Catfish Ross Douglas Turnbull Master's Student, Wildlife Science, New Mexico	7.50
State University	150
Conference Participants	161
WRRI Staff Participants	175

Proceedings Editor: Linda G. Harris Editorial Assistant: L. Diane Prince