

12.17. BIBLIOGRAPHY

Aby, S., Gellis, A., & Pavich, M. *The Río Puerco arroyo cycle and the history of landscape changes*. Retrieved 8/1/03 from <http://geochange.er.usgs.gov/sw/impacts/geology/puerco1> last accessed 4/2/04.

Alcantara, Adelamar N., Ph.D and Elvira Lopez (October 2003). *Demographic and Population Study for Regional and Statewide Water Planning Population Projections for 16 Regions, July 1, 2000 to July 1, 2060*. University of New Mexico Bureau of Business and Economic Research prepared for the Regional Water Planning Program, New Mexico Interstate Commission. Retrieved December 10, 2003 from <http://www.mrgcog.org/images/Documents/Regional%20Water%20Plan/E%20Water%20Projects.pdf>.

Allen, C. D. (1998). Where have all the grasslands gone? Fire and vegetation change in northern New Mexico. Adapted from Allen, C. D., Where have all the grasslands gone? *Quivera Coalition Newsletter*, Spring/Summer 1998. Retrieved 8/1/03 from <http://www.cpluhna.nau.edu/Research/grasslands1.htm> and last accessed 4/2/04.

Bartolino, J.R., ed. (1999) USGS Middle Rio Basin Study—Proceedings of the Third Annual Workshop, Albuquerque, New Mexico, February 24-25, 1999. Retrieved 8/1/03 from <http://rockyweb.cr.usgs.gov/mrgb/ofr99-203.html> and last accessed 4/2/04.

Bartolino, J.R. & Cole, James C. (2002). Ground-Water Resources of the Middle Rio Grande Basin, New Mexico. U.S. Geological Survey Circular 1222, <http://water.usgs.gov/pubs/circ/2002/circ1222/#pdf> and last accessed 4/2/04

Baxter, J. O. (1997). *Dividing New Mexico's water, 1700-1912*. Albuquerque: University of New Mexico Press.

Bexfield, L. M. & Anderholm, S. K. (2003). *Estimated water-level declines in the Santa Fe group aquifer system in the Albuquerque area, central New Mexico, predevelopment to 2002*. USGS Water-Resources Investigations Map Report 02-4233. Available from U.S. Geological Survey Information Services, Box 25286, MS 517, Denver Federal Center, Denver, CO 80225.

Bexfield, L. M. & McAda, D. P. (2003). *Simulated effects of ground-water management scenarios on the Santa Fe group aquifer system, Middle Rio Grande Basin, New Mexico, 2001-40*. USGS Water-Resources Investigations Report 03-4040. Available from U.S. Geological Survey Information Services, Box 25286, MS 517, Denver Federal Center, Denver, CO 80225; <http://water.usgs.gov/pubs/wri/wri034040/#pdf> and last accessed 4/2/04.

Briggs, C. L. & Van Ness, J. R. (eds.). (1987). *Land, water and culture: New perspectives on Hispanic land grants*. Albuquerque: University of New Mexico Press.

Brown, J. R. & Rivera, J. A. (2000). Acequias de Común: The tension between collective action and private property rights. *Papers & Abstracts, Workshop in Political Theory and Policy Analysis, Indiana University [CD-ROM ISBN 1-889740-047], IASCP 2000*.

Brown John R., Nancy Carrillo and Hank Jenkins-Smith, "*Attitudes and Preferences of Residents of the Middle Rio Grande Water Planning Region Regarding Water Issues - Summary Report to the Action Committee of the Middle Rio Grande Water Assembly and the Middle Rio Grande Council of Governments*," UNM Institute for Public Policy, University of New Mexico, June 2000, http://www.unm.edu/~instpp/e_hold/MRG_Water_Issues.pdf.

Bureau of Land Management (BLM). information on land ownership provided by Steve Fischer on 9/24/03 and 10/7/03.

Carlson, A. W. (1990). *The Spanish-American homeland: Four centuries in New Mexico's Rio Arriba*. Baltimore: The Johns Hopkins University Press.

Cartmell, E. M. (1998). *New Mexico water rights*. Southwestern Literature, tomlynch@nmsu.edu / revised May 1998. Retrieved 8/1/03 from <http://web.nmsu.edu/~tomlynch/swlit.water.html>
This paper provides a bit of background information on water issues in New Mexico.

Chestnut, P. (2000, June). *A Pueblo perspective on the Rio Grande Compact*. Paper presented at the 44nd Annual New Mexico Water Conference Proceedings, New Mexico Water Resources Research Institute, New Mexico State University, co-sponsored by: New Mexico Riparian Council. Retrieved 8/3/03 from <http://wrri.nmsu.edu/publish/watcon/proc/proc44/chestnut.pdf>

Cordell, Linda S. (1984). *Prehistory of the Southwest*. Orlando, FL: Academic Press.

Crawford, S. (1988). *Mayordomo: Chronicle of an acequia in northern New Mexico*. Albuquerque: University of New Mexico Press,

Crawford, S. (1990). Dancing for water. *Journal of the Southwest*, 32 (Autumn): 265-267.

Cutter, D. (1978). The legacy of the Treaty of Guadalupe Hidalgo. *New Mexico Historical Review*, 53:305.

DeBuys, W. (1985). *Enchantment and exploitation: The life and hard times of a New Mexico mountain range*. Albuquerque: University of New Mexico Press.

Drought Watch on The Rio Grande, "River Supply Forecast Reduced - Reservoir Release Begins March 12," (Press Release, March 11, 2004), Agricultural Research and Extension Center, El Paso, Texas A&M University System, retrieved on March 24, 2004 at http://srwqis.tamu.edu/downloads/drought_watch.pdf. Of note, "the combined water supply in Elephant Butte and Caballo Reservoirs is 296,000 acre feet. This is only 13.3 % of the storage capacity of over 2.2 million acre feet. As of March 1, almost all of the water in storage is now available for use."

DuMars, C. T., O'Leary, M., & Utton, A. E. (1984). *Pueblo Indian water rights: Struggle for a precious resource*. Tucson: The University of Arizona Press.

Ebright, M. (1994). *Land grants and lawsuits in Northern New Mexico*. Albuquerque: University of New Mexico Press.

- Gellis, A. *History of streamflow and suspended-sediment collection in the Rio Puerco Basin, New Mexico*. Retrieved 8/1/ 03 from http://climchange.cr.usgs.gov/rio_puerco/erosion/streamflow.html
- Glick, T. F. (1970). *Irrigation and society in medieval Valencia*. Cambridge, MA: Belknap Press of Harvard University Press.
- Grissino-Mayer, H. (1996). A 2129-year reconstruction of precipitation for northwestern New Mexico, U.S.A. In J. S. Dean, D. M. Meko, & T. W. Swetnam (eds.), *Tree rings, environment and humanity*, pp. 191-204. Tucson, AZ: Radiocarbon.
- Grissino-Mayer, H., Swetnam, T. W., & Adams, R. K. (1997). *The rare, old-aged conifers of El Malpais: Their role in understanding climatic change in the American Southwest*. New Mexico Bureau of Mines and Mineral Resources, Bulletin 156, pp. 155-161.
- Grissino-Mayer, H., Baisan, C. H., Morino K. A., & Swetnam, T. W. (2002). *Multi-century trends in past climate for the Middle Rio Grande Basin, AD 622-1992*. Final report submitted to the USDA Forest Service. Albuquerque, NM: Laboratory of Tree-Ring Science, Report 2002/6.
- Hammond, G. P. & Rey, A. (eds.). (1966) *The rediscovery of New Mexico, 1580- 1594*. Albuquerque: University of New Mexico Press.
- Heywood C. E., Galloway, D. L., & Stork, S. V. (2002). *Ground displacements caused by aquifer-system water-level variations observed using interferometric synthetic aperture radar near Albuquerque, New Mexico*. USGS Water-Resources Investigations Report 02-4235. Available from U.S. Geological Survey Information Services, Box 25286, MS 517, Denver Federal Center, Denver, CO 80225.
- Hurtado, A. L. (1992). Review of Tyler, The mythical Pueblo rights doctrine. *New Mexico Historical Review*, 67:85.
- Jemez y Sangre Regional Water Plan, March 2003, retrieved on January 15, 2004 at [www.seo.state.nm.us/water-info/ NMWaterPlanning/regions/jemezysangre/ jys_apndxa.pdf](http://www.seo.state.nm.us/water-info/NMWaterPlanning/regions/jemezysangre/jys_apndxa.pdf)
- Kelly, T. & Romero, O. (2003). *Rainfall, runoff, and water-quality data for the urban storm-water program in the Albuquerque, New Mexico, metropolitan area, water year 2001*. USGS Open-File Report 03-169. Available from U.S. Geological Survey Information Services, Box 25286, MS 517, Denver Federal Center, Denver, CO 80225.
- Kery, S. C., Utton, J. W., Sheehan, Sheehan & Stelzner, P.A., Chestnut, P. C., & Umshler, S. E. (February 2003). *Legal issues specific to the Middle Rio Grande water planning region*. Written for the Middle Rio Grande Regional Water Plan. Retrieved 8/3/03 from <http://www.waterassembly.org/pdfs2/LegalIssues.pdf>

Kery, Susan C., John W. Utton, Peter C. Chestnut, Sue E. Umshler (January, 2003). "Overview of Water Law Applicable to The Middle Rio Grande Water Planning Region." Written for the Middle Rio Grande Regional Water Plan. Retrieved 8/3/03 from <http://www.waterassembly.org/pdfs2/NM%20Water%20Law.pdf>

Larsen, C. & Herzog, M. (2000). Archaeological Site Locations Within the Rio Puerco Drainage Basin. Retrieved 8/03/03 from <http://climchange.cr.usgs.gov/riopuerco/archeo>

Levine, F. (1990). Dividing the water: The impact of water rights adjudication on New Mexican communities. *Journal of the Southwest*, 32 (Autumn): 268-277.

Lopez, L. S. (1982). The Rio Puerco Irrigation Company. *New Mexico Historical Review*, 57:1, 66-67.

Matthews, K. (2002). *Acequia parciantes and the forest service negotiate over pre-existing rights on federal land*. Retrieved 8/1/03 from <http://www.lajicarita.org/02jan.htm#pre-existingrights>

Matthews, K. & Schiller, M. (2001). *Acequia parciantes assert pre-existing rights on federal land*. Retrieved 8/1/03 from <http://www.lajicarita.org/01jul.htm>

McAda, D. P. & Barroll, P. (2002). *Simulation of ground-water flow in the Middle Rio Grande Basin between Cochiti and San Acacia, New Mexico*. Water-Resources Investigations Report 02-4200. Prepared in cooperation with the New Mexico Office of the State Engineer and the City of Albuquerque Public Works Department. Retrieved 8/3/03 from <http://nm.water.usgs.gov/publications/abstracts/wrir02-4200.html>

Meyer, M. C. (1984). *Water in the Hispanic Southwest: A social and legal history, 1550-1850*. Tucson: University of Arizona Press.

Middle Rio Grande Council of Governments. (2001, September). *Future water use projections for the Middle Rio Grande Water planning region*. Albuquerque. Retrieved 8/1/03 from <http://www.mrgcog.org/images/Documents/Future%20Water%20Use%20Projections%20for%20MRGWPR.pdf>

New Mexico Administrative Code, "State Of New Mexico Water Quality Standards For Interstate And Intrastate Surface Waters - 20.6.4 NMAC As amended through October 11, 2002," accessed March 24, 2004 at http://www.nmenv.state.nm.us/NMED_regs/swqb/20_6_4_nmac.html

New Mexico Environment Department, Ground-Water Quality Bureau, "Ground Water Atlas," accessed on March 24, 2004 at www.nmenv.state.nm.us/gwb/GWQ%20Atlas/data.html.

New Mexico Environment Department, Surface Water Quality Bureau (2002), Jemez Watershed TMDLs report, accessed March 24, 2004 at http://www.nmenv.state.nm.us/swqb/Jemez_Watershed_TMDLs/Index.html.

New Mexico Environment Department, Surface Water Quality Bureau (June 2003). "The Approved 2002-2004 State Of New Mexico §303(D) List For Assessed River/Stream Reaches Requiring Total Maximum Daily Loads (TMDLs)," accessed on March 24, 2004 at www.nmenv.state.nm.us/swqb/2000-2002_New_Mexico_303d_List.pdf.

New Mexico Legislative Council Service (2004), *Land Grant Committee Report To The Forty-Sixth Legislature Second Session*, Santa Fe, New Mexico, Retrieved on April 2, 2004 at <http://legis.state.nm.us/2003interreports/lgc03.pdf>

New Mexico Interstate Stream Commission. (1994, December). *Regional water planning handbook*. Retrieved 8/1/03 from <http://www.seo.state.nm.us/doing-business/water-plan/rwp-handbook.html>. Last modified: 6/24/99

New Mexico State Engineer Office. (1997). *Acequias*. Retrieved 8/1/2003 from <http://www.lmacequia.org/history/NM-engineer.html> and <http://www.century21landsun.com/Ranches/Acequias.html>. Last modified: 10/29/98.

New Mexico Office of the State Engineer and the Interstate Stream Commission. (2002, December). *Framework for public input to a state water plan*. Santa Fe, NM. Retrieved 8/1/03 from <http://www.seo.state.nm.us/water-info/NMWaterPlanning/framework.html>.

New Mexico Water Quality Control Commission (2000). Water Quality and Water Pollution Control in New Mexico - 2000 required to submit this biennial report to U.S. Congress pursuant to section 305.b of the federal Clean Water Act; accessed March 24, 2004 at http://www.nmenv.state.nm.us/swqb/305b_2000.html.

Northwest New Mexico Council of Governments, 2003. *Region 6 Regional Water Plan*, epcog.org/nw/pdf/region6water/quality.pdf (last accessed March 23, 2004)

Papadopulos, S.S. & Associates, Inc. (2000, August 4). *Middle Río Grande water supply study*. Boulder, CO. Available at <http://www.seo.state.nm.us/water-info/mrgwss/mrgwss-final-rpt.html>.

Quintana, F. L. (1990). Land, water, and Pueblo-Hispanic relations in New Mexico. *Journal of the Southwest*, 32 (Autumn): 288-299.

Rautman, C. A. (2001). *A geologist's touring guide to the Jemez Mountains*. Prepared for the Solution Mining Research Institute, 2001 Fall Meeting, Albuquerque, NM, October 10, 2001, at <http://www.solutionmining.org/M01F/Rautman%20-%20M01F%20Field%20Trip%20to%20Jemez%20Mountains.pdf>, last accessed on April 4, 2004

The Rio Grande Compact: It's the Law! 44nd Annual New Mexico Water Conference Proceedings. WRRRI Report No. 312, June 2000. New Mexico Water Resources Research Institute, New Mexico State University, co-sponsored by: New Mexico Riparian Council. Retrieved 8/3/03 from <http://wrrri.nmsu.edu/publish/watcon/proc/proc44/contents.html>

Río Puerco Management Committee (RPMC), (May 31, 2001). *Watershed Restoration Action Strategy (WRAS) for the Río Puerco Watershed*, Albuquerque, New Mexico.

Rivera, J. A. (1998). *Acequia culture: Water, land, and community in the Southwest* Albuquerque: University of New Mexico Press.

Rivera, J. A. & Glick, T. F. (2003). *Local control and discretionary authority: Protecting the acequia bordo*. Paper presented at Simposio 'El acceso al agua: Un problema historico y actual.'" 51 Congreso Internacional de Americanistas, Santiago, Chile, July 14-18, 2003.

Rivera, J. A. & Martínez, L. P. (2000). *Acequias de comun and sustainable development:: Reflections from the upper Rio Grande watershed*. Paper presented at the Congreso Nacional: Gestión del Agua en Cuencas Deficitarias, October 5, 2000, Universidad Miguel Hernández, Orihuela, Spain. Retrieved 8/1/2003 from http://www.lmacequia.org/history/acequias_de_comun.html

Roach, B. (1995, November). *A bioeconomic analysis of elk and cattle management alternatives within the San Pedro Parks Wilderness Area -New Mexico*. University of California, Davis. Retrieved 8/1/03 from <http://www.fguardians.org/cown-elk.htm>

San Juan Basin Regional Water Plan (October 4, 2003), "Section 6.3 – Water Quality Legal Issues," accessed March 23, 2004 at <http://www.seo.state.nm.us/water-info/NMWaterPlanning/regions/SanJuan/10-04-03Section06LegalIssue.pdf>.

Scurlock, Dan. (1998). "Impacts and changes in the Rio Puerco, 1846-1980: A case study" from *From the rio to the sierra: An environmental history of the Middle Rio Grande Basin*. General Technical Report RMRS-GTR-5. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.

Shomaker, John & Associates. (2000). *Historical and current water use in the Middle Rio Grande Region*. Albuquerque: John Shomaker & Associates, Inc., Water-Resource and Environmental Consultants. Retrieved 8/1/03 from <http://www.mrgcog.org/images/Documents/Shomaker%20Water%20Report.pdf>.

Sisk, T. D. *Toward a land-use history of North America: A context for understanding environmental change*. Flagstaff, AZ: Center for Environmental Sciences and Education, Northern Arizona University. Retrieved 8/1/03 from <http://biology.usgs.gov/luhna/chap1.html>

Skaggs, Rhonda and Maryfrances Decker (June 2002). "The Clean Water Act and Total Maximum Daily Loads in New Mexico: Frequently Asked Questions," Technical Report 39, Agricultural Experiment Station, Cooperative Extension Service College of Agriculture and Home Economics, New Mexico State University, retrieved on March 24, 2004 at www.cahe.nmsu.edu/pubs/research/economics/TR39.pdf.

Southwestern Region policy on managing national forest lands in the northern part of New Mexico. Office Memorandum from William D. Hurst, Regional Forester, Forest Service Region 3, to Forest Supervisors and District Rangers, March 6, 1972. (never implemented)

Stephens, D.B. & Associates (February 2003), "Assessment of Regional Water Quality Issues and Impacts to the Water Supply," prepared for the Middle Río Grande Regional Water Plan; retrieved August 1, 2003 from http://www.waterassembly.org/pdfs2/WtrQualRpt_206.pdf.

Treaty of June 1, 1868. Treaty between the United States of America and the Navajo tribe of Indians. Concluded June 1, 1868; ratification advised July 25, 1868; proclaimed August 12, 1868. (15 Stat. 667). Retrieved 8/1/03 from <http://www.infomagic.net/~keyah/1868treaty.htm>

Treaty with Mexico. (1848, February 2). (The Treaty of Guadalupe Hidalgo). Retrieved 8/1/2003 from <http://www.southwestbooks.org/treaty.htm>

Tyler, D. (1990) *The mythical Pueblo rights doctrine: Water administration in Hispanic New Mexico*. El Paso, TX: Texas Western Press, University of Texas at El Paso.

U. S. Census Bureau. (2000). *New Mexico city population, 1910-2000*. University of New Mexico Bureau of Business and Economic Research. Retrieved 8/1/2003 from <http://www.unm.edu/~bber/demo/cityhist.htm>

U.S. Dept. of Agriculture Natural Resources Conservation Service. (2002). *Environmental assessment of environmental quality incentives program for Pueblo of Jemez tribal trust lands GPA*. Retrieved 8/1/03 from <http://www.nm.nrcs.usda.gov/programs/ea/pueblo-jemez.pdf>

U. S. Department of Agriculture. (1937, March). *A report on the Cuba Valley*. Soil Conservation Service, Regional Bulletin No. 36.

U.S. Department of the Interior, U.S. Geological Survey. *Río Puerco online* Retrieved 8/1/03 from http://climchange.cr.usgs.gov/rio_puerco/. Last modified: December 2000.

The arroyo cycle and climate change are of scientific and practical interest. The Río Puerco Basin, New Mexico, is an area of historic arroyo incision, long-term geomorphic investigation, and ongoing land management issues. This website comprises earth science and historical perspectives of the Río Puerco Basin, and data and models that can be used to help predict responses to future changes of climate and land use.

U.S. Department of the Interior, U.S. Geological Survey (2002), Water Resources Data - New Mexico, Water Year 2002, Water-Data Report NM-02-1, , Prepared in cooperation with the State of New Mexico and with other agencies. Accessed on March 24, 2004 at <http://nm.water.usgs.gov/nm2002wrreport.pdf>

U.S. Fish and Wildlife Service. (2003). *Biological and conference opinions on the effects of actions associated with the programmatic biological assessment of Bureau of Reclamation's water and river maintenance operations, U.S. Army Corps of Engineers' flood control operation and related non-federal actions on the middle Río Grande, New Mexico*. Memorandum from

Regional Director, Region 2, to Area Manager, Albuquerque Area Office, Bureau of Reclamation. Retrieved 8/1/2003 from http://ifw2es.fws.gov/Documents/R2ES/FINAL_Middle_Rio_Grande_Water_Ops_BO_2003-2013.pdf

United States v. Abousleman, U.S. District Court No. CIV 83-1041-SC.

Vogt, B. J. *The arroyo problem in the southwestern United States*. Retrieved 8/1/03 from <http://geochange.er.usgs.gov/sw/impacts/geology/arroyos/>

Watts, R. D., Pelletier, R., & Molnar, P. *Erosion in the Rio Puerco: Geography and processes*. Retrieved 8/1/03 from http://climchange.cr.usgs.gov/rio_puerco/puerco2

Wilson, Brian C., P.E. (1992). *Water Use by Categories in New Mexico Counties and River Basins, and Irrigated Acreage in 1990*, New Mexico State Engineer Office, Technical Report 47, July 1992. <http://www.seo.state.nm.us/water-info/water-use/county90/mcounty.html>

Wilson, Brian C., P.E. (1997). *Water Use by Categories in New Mexico Counties and River Basins, and Irrigated Acreage in 1995*, New Mexico State Engineer Office, Technical Report 49, 1997. <http://www.seo.state.nm.us/water-info/water-use/county95/mcounty.html>

Wilson, Brian C., P.E. (2003). *Water Use by Categories in New Mexico Counties and River Basins, and Irrigated Acreage in 2000*, New Mexico State Engineer Office, Technical Report 51, 2003. <http://www.seo.state.nm.us/water-info/water-use/county00/mcounty.html>

Woodward, L. A. (1987). *Geology and mineral resources of Sierra Nacimiento and vicinity*. Socorro, NM: New Mexico Bureau of Mines and Mineral Resources Memoir 42.