

Piñon-Juniper Restoration Bibliography

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This bibliography lists the publications that were consulted in writing the “Piñon-Juniper Restoration Protocols” for NM State Forestry. The PJ literature is voluminous; thus, this list is not complete, even for New Mexico.

Aldon, EF, and DW Shaw (technical coordinators). 1993. Managing piñon-juniper ecosystems for sustainability and social needs; proceedings of the symposium April 26-30, 1993; Santa Fe, NM. GTR-RM-236. Fort Collins, CO: USDA-Forest Service, Rocky Mountain Forest and Range Experiment Station. 169 p.

Aldon, EF, R Fletcher, D Shaw. 1995. A checklist for ecosystem management in Southwestern piñon-juniper. Pp. 125-128 *in* Shaw et al. PJ desired future conditions proceedings, RM-GTR-258.

Baker, WL, and DJ Shinneman. 2004. Fire and restoration of piñon-juniper woodlands in the western United States: a review. *Forest Ecology and Management* 189: 1-21.

Board, DI, JC Chambers, RF Miller, and PJ Weisberg. 2018. Fire patterns in piñon and juniper land cover types in the Semiarid Western United States from 1984 through 2013. RMRS-GTR-372. Fort Collins, CO: USDA-Forest Service, Rocky Mountain Research Station. 57 p.

Edwards, R. 1995. Carrizo demonstration area restoration of a Southwestern forest ecosystem. Pp. 198-202 *in* Shaw et al. PJ desired future conditions proceedings, RM-GTR-258.

Ellenwood, JR. 1995. Silvicultural systems for piñon-juniper. Pp. 203-208 *in* Shaw et al. PJ desired future conditions proceedings, RM-GTR-258.

Ernst, R, and RD Pieper. 1996. Changes in piñon-juniper vegetation: a brief history. *Rangelands* 18(1):14-16.

Everett, RL (compiler). 1987. Proceedings—Pinyon-Juniper Conference; January 13-16, 1986; Reno, NV. GTR-INT-215. Ogden, UT; USDA-Forest Service, Intermountain Forest and Range Experiment Station. 581 p.

Ffolliott, PF, and GJ Gottfried. 2002. Dynamics of a pinyon-juniper stand in northern Arizona: a half-century history. Res. Pap. RMRS-RP-35. Fort Collins, CO: USDA Forest Service, Rocky Mountain Research Station. 10 p.

Ffolliott, PF, and GJ Gottfried. 2012. Hydrologic processes in the pinyon-juniper woodlands: a literature review. Gen. Tech. Rep. RMRS-GTR-271. Fort Collins, CO: USDA-Forest Service, Rocky Mountain Research Station. 20 p.

Gottfried, GJ, and KE Severson. 1994. Managing pinyon-juniper woodlands. *Rangelands* 16(6): 234-236.

Gottfried, GJ, TW Swetnam, CD Allen, JL Betancourt, AL Chung-MacCoubrey. 1995. Pinyon-juniper woodlands (Chapter 6). Pp. 95-132 in Finch, DM, and JA Tainter (technical editors). Ecology, diversity, and sustainability of the Middle Rio Grande Basin. Gen. Tech. Rep. RM-GTR-268. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station. p. 95-132.

Gottfried, GJ. 2008. Silviculture and multi-resource management case studies for Southwestern pinyon-juniper woodlands, in: Gottfried, GJ et al. Ecology, management, and restoration of piñon-juniper and ponderosa pine ecosystems. RMRS-P-51.

Gottfried, GJ, JD Shaw, and PL Ford (compilers). 2008. Ecology, management, and restoration of piñon-juniper and ponderosa pine ecosystems: combined proceedings of the 2005 St. George, Utah, and 2006 Albuquerque, New Mexico, workshops. Proceedings RMRS-P-51. Fort Collins, CO: USDA Forest Service, Rocky Mountain Research Station. 218 p.

Harrington, JT, J Fitch, and PA Glass. 1995. Tres Piedras piñon-juniper silviculture: a partnership project between the USDA Forest Service and New Mexico State University. Pp. 184-190 in Shaw et al. Pinyon-juniper woodlands: current conditions and desired future conditions proceedings, RM-GTR-258.

Jacobs, BF. 2008. Southwestern US juniper savanna and piñon-juniper woodland communities: ecological history and natural range of variability. Pp. 11-19 in Gottfried et al. Ecology, management, and restoration of piñon-juniper and ponderosa pine ecosystems. RMRS-P-51.

Jaremko-Wright, W. 2014. One-seed Juniper Dispersal Ecology and Population Growth at a Rangeland Site in Northeastern New Mexico. MS thesis, College of Arts and Sciences, NM Highlands University. 135 p.

Landis, AG, and JD Bailey. 2005. Reconstruction of age structure and spatial arrangement of piñon-juniper woodlands and savannas of Anderson Mesa, northern Arizona. For. Ecol. Man. 204: 221-236.

Lanner, RM. 2012. How did we get it so wrong? J. Forestry 110(7):404

Miller, RF, JC Chambers, and M Pellant. 2014. A field guide for selecting the most appropriate treatment in sagebrush and piñon-juniper ecosystems in the Great Basin: Evaluating resilience to disturbance and resistance to invasive annual grasses, and predicting vegetation response. RMRS-GTR-322-rev. Fort Collins, CO: USDA-Forest Service, Rocky Mountain Research Station. 68 p.

Monson, SB, and R Stevens, compilers. 1999. Proceedings: ecology and management of pinyon-juniper communities within the Interior West; 1997 September 15-18; Provo, UT. RMRS-P-9. Ogden, UT: USDA Forest Service, Rocky Mountain Research Station. 411 p.

Page, DH. 2008. Preliminary thinning guidelines using stand density index for the maintenance of uneven-aged pinyon-juniper ecosystems. Pp. 104-112 in Gottfried et al. Ecology, management, and restoration of piñon-juniper and ponderosa pine ecosystems. RMRS-P-51.

Parker, D, M Williamson, R Edwards, and R Ward. 1995. Trial applications of low-impact herbicides for piñon-juniper control in the Southwest. P. 209-213 *in* Shaw et al. PJ desired future conditions proceedings, RM-GTR-258

Pieper, RD. 1990. Overstory-understory relations in pinyon-juniper woodlands in New Mexico. *J. Range Man.* 43(5):413-415.

Pieper, RD. 1995. Understory production and composition in piñon-juniper woodlands in New Mexico. Pp. 120-124 *in* Shaw et al 1995. PJ desired future conditions proceedings, RM-GTR-258.

Poulos, HM, RG Gatewood, and AE Camp. 2009. Fire regimes of the piñon-juniper woodlands of Big Bend National Park and the Davis Mountains, west Texas, USA. *Can. J. For. Res.* 39:1236-1246.

Reid, KD, BP Wilcox, DD Breshears, and L MacDonald. 1999. Runoff and erosion in a piñon-juniper woodland: influence of vegetation patches. *Soil Sci. Soc. Am. J.* 63:1869-1879.

Romme, WH, CD Allen, JB Bailey, WL Baker, BT Bestelmeyer, PM Brown, KS Eisenhart, L Floyd-Hanna, DW Huffman, BF Jacobs, RF Miller, EH Muldavin, TW Swetnam, RJ Tausch, and PJ Weisberg. 2008. Historical and Modern Disturbance Regimes, Stand Structure, and Landscape Dynamics in Piñon-Juniper Vegetation of the Western U.S. Colorado Forest Restoration Institute. 37 p.

Shaw, DW, EF Aldon, and C LoSapio (technical coordinators). 1995. Desired future conditions for piñon-juniper ecosystems; proceedings of the symposium; 8-12 August 1994; Flagstaff, Arizona. Gen. Tech. Rep. RM-258. Fort Collins, CO: USDA-Forest Service, Rocky Mountain Forest and Range Experiment Station. 226 p.

Tausch, RJ, RF Miller, BA Roundy, and JC Chambers. 2009. Piñon and juniper field guide: asking the right questions to select appropriate management actions. US Geological Survey Circular 1335, 96 p.

USFS. 1997. Plant associations of Arizona and New Mexico, Volume 2: Woodlands. USDA Forest Service Southwestern Region, 196 p.

Wilcox, BP, and DD Breshears. 1995. Hydrology and ecology of piñon-juniper woodlands: conceptual framework and field studies. Pp 109-119 *in* Shaw et al 1995. PJ desired future conditions proceedings, RM-GTR-258

Wright, HA, LF Neuenschwander, and CM Britton. 1979. The role and use of fire in sagebrush-grass and piñon-juniper plant communities: a state-of-the-art review. USDA Forest Service GTR-INT-58. Intermountain Forest and Range Experiment Station. 48 p.