



United States
Department of
Agriculture

Forest
Service

Southwestern
Region

February 9, 2015



Assessment Report of Ecological / Social / Economic Conditions, Trends, and Risks to Sustainability, Cibola National Forest Mountain Ranger Districts

Literature Cited

- [AASHTO] American Association of State Highway and Transportation Officials. 2011. A Policy on Geometric Design of Highways and Streets, 6th edition.
- Adams, H.D., Guardiola-Claramonte, M., Barron-Gafford, G.A., Villegas, J.C., Breshears, D.D., Zou, C.B., Troch, P.A., and Huxmana, T.E. 2009. Temperature sensitivity of drought-induced tree mortality portends increased regional die-off under global change-type drought. *Proceedings of the National Academy of Sciences, USA (PNAS)* 106(17): 7063-7066.
- Allen, E.B., Rao, L.E., Steers, R.J., Bytnerowicz, A., and Fenn, M.E. 2009. Impacts of atmospheric nitrogen deposition on vegetation and soils in Joshua Tree National Park. In: Webb, R.H., Fenstermaker, L.F., Heaton, J.S., Hughson, D.L., McDonald, E.V., and Miller, D.M. (eds.). *The Mojave Desert: Ecosystem Processes and Sustainability*. Las Vegas: University of Nevada Press. Pp. 78-100.
- [Allen et al. VBA] Allen, S.D., Wickwar, D.A., Clark, F.P., Dow, R.R., Potts, R., and Snyder, S.A. 2009. Values, Beliefs, and Attitudes Technical Guide for Forest service land and Resource Management, Planning, and Decision making. USDA Forest Service, General Technical Report PNW-GTR 788. 112 pp.
- American National Biography Online. 2013. Apache Kid, Indian Scout. <http://www.anb.org/login.html>
- Anderson, W.L. and Duzan, R.E. 1978. DDE residues and eggshell thinning in Loggerhead Shrikes. *Wilson Bull.* 90:215–220.
- Anschuetz, K.F. 2012. The Pueblo of Acoma Ethnographic Study and Traditional Cultural Properties Consultation for the Proposed Roca Honda Uranium Mine at the Foot of Kaweshtima Kuutyu in the San Mateo Valley, New Mexico. Report on File, Cibola National Forest and Grasslands.
- Archer, D. 2011. *Global warming – understanding the forecast*. 2nd ed. Hoboken, NJ, USA: Wiley-Blackwell.
- [Arctos] Arctos Collection Management Information System. 2013. Specimen Search. <http://arctos.database.museum/> (accessed April-August 2013).
- [ATWG] Agency Technical Work Group. 2005. Potential effects of climate change on New Mexico. State of New Mexico, Santa Fe. http://www.nmenv.state.nm.us/aqb/cc/Potential_Effects_Climate_Change_NM.pdf
- Baisan, C.H. and Swetnam, T.W. 1990. Fire history on a desert mountain range: Rincon Mountain Wilderness, USA. *Canadian Journal of Forest Research* 20:1559-1569.
- Baker, R.D., Maxwell, R.S., Treat, V.H., and Dethloff, H.C. 1988. *Timeless Heritage: A History of the Forest Service in the Southwest*. USDA Forest Service Report FS-409. Washington D.C.
- Bale, J.S., Masters, G.J., Hodkinson, I.D., Awmack, C., Bezemer, T.M., Brown, V.K., Butterfield, J., Buse, A., Coulson, J.C., Farrar, J., Good, J.E.G., Harrington, R., Hartley, S., Jones, T.H., Lindroth, R.L., Press, M.C., Symrnioudis, I., Watt, A.D., and Whittaker, J.B. 2002. Herbivory in global climate change research: direct effects of rising temperature on insect herbivores. *Global Change Biology* 8: 1-16.

- Ball, M.W. 2000. Mountain Spirits: Embodying the Sacred in Mescalero Apache Tradition. Unpublished Ph.D. dissertation. University of California at Santa Barbara, Santa Barbara.
- Banks, L.D. 1990. From Mountain Peaks to Alligator Stomachs: A Review of Lithic Sources in the Trans-Mississippi South, the Southern Plains, and Adjacent Southwest. Oklahoma Anthropological Society Memoir 4, Norman.
- Barlow, J.C., Sheridan, N.L., and Baril, C.T. 1999. Gray Vireo (*Vireo vicinior*), The Birds of North America Online (A. Poole, ed.). Ithaca: Cornell Lab of Ornithology. <http://bna.birds.cornell.edu/bna/species/447> (accessed January 9, 2015).
- Barrett, S., Havlina, D., Jones, J., Hann, W., Frame, C., Hamilton, D., Schon, K., Demeo, T., Hutter, L., and Menakis, J. 2010. Interagency Fire Regime Condition Class Guidebook. Version 3.0. <http://www.frcc.gov/>
- Belsky, A.J. and Blumenthal, D.M. 1997. Effects of Livestock Grazing on Stand Dynamics and Soils in Upland Forests of the Interior West. *Conservation Biology*, Vol. 11, No. 2, April 1997, pages 315-327.
- Bender, D., Vredenburg, J., and Hayden, J. 2013. Letter from the Friends of Tijeras Pueblo in Response to a Request for Information for an Assessment of Current Conditions for the Cibola National Forest Plan Revision. Letter on file, Forest Planning Program, Cibola National Forest and National Grasslands, Albuquerque.
- Benedict, C.B. 2013. Overview of the pueblo of Sandia Land Claim, the Settlement Agreement, and the establishment of the T'uf Shur Bien Preservation Trust Area. USDA Cibola National Forest White Paper, Albuquerque, New Mexico. 7 pp.
- Benedict, C.B. and Hudson E. 2008. Mt. Taylor Traditional Cultural Property Determination of Eligibility. Heritage Resource Report No. 2008-03-021. USDA Cibola National Forest, Albuquerque, New Mexico.
- Benedict, C.B. and Sinkovec, C. 2011. Revised Addendum to Las Huertas Canyon Ethnographic Study. Heritage Resource Report No. 1997-03-110D. Report on file, Heritage Resources Program. USDA Cibola National Forest, Albuquerque New Mexico.
- Bernardini, W. 1998. Conflict, Migration, and the Social Environment: Interpreting Architectural Change in Early and Late Pueblo IV Aggregations. In: *Migration and Reorganization: The Pueblo IV Period in the American Southwest*, by Katherine A. Spielmann, K.A. (ed.). pp. 91-114. Arizona State University Anthropological Research Papers 51, Tempe.
- Beschta, R.L., Donahue, D.L., DellaSala, D.A., Rhodes, J.J., Karr, J.R., O'Brien, M.H., Fleischner, T.L., and Williams, C.D. 2012. Adapting to Climate Change on Western Public Lands: Addressing the Ecological Effects of Domestic, Wild, and Feral Ungulates.. *Environmental Management*. DOI 10.1007/s00267-012-9964-9.
- [BISON] Biodiversity Information Serving Our Nation. 2013. Biological occurrence data compiled by the U.S. Geological Survey. <http://nmbiodiversity.org/query.php> (accessed July-August 2013).

- [BISON-M] Biota Information System of New Mexico. 2013. BISON-M home page. <http://www.bison-m.org> (accessed October 2012-August 2013).
- Blake, K. 1999. Sacred and Secular Landscape Symbolism at Mount Taylor, New Mexico. *Journal of the Southwest* 41:487-509.
- Brown, E.E. and Popelish, L. 2009. Testing of Historic Airplane Crash Sites, PIT 2009. Report on file, Heritage Resources Program, Cibola National Forest and National Grasslands, Albuquerque. Report 2009-03-069.
- Brown, T.C. and Froemke, P. 2010. Risk of impaired condition of watersheds containing National Forest lands. Gen. Tech. Rep. RMRS-GTR-251. Fort Collins, CO. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 57 p. http://www.fs.fed.us/rm/pubs/rmrs_gtr251.pdf
- Brugge, D. 2005. Navajo Clan Origins. In: *Inscriptions: Papers in Honor of Richard and Natalie Woodbury. Papers from the Archaeological Society of New Mexico.*
- Buchholtz, T., Friedland, A.J., Hornig, C., Keeton, W.S., Zanchi, G.A., and Nunery, J. 2013. Mineral Soil Carbon Fluxes in Forests and implications for Carbon Balance Assessments. *GCB Bioenergy*. 10:1111/gcbb.12044
- BugGuide.Net. 2013. Identification, images, and information for insects, spiders, and their kin for the United States and Canada. <http://bugguide.net/> (accessed February-April 2013).
- Bureau of Indian Affairs-Laguna Agency. 2012. Laguna Pueblo Forest Management Plan. 107 pp.
- Cameron, R.E., Hennigar, C.R., MacLean, D.A., Adams, G.W., and Erdle, T.A. 2013. A comprehensive greenhouse gas balance for a forest company operating in Northeast North America. *Journal of Forestry* 111:194-205.
- [CASTNET] Clean Air Status Trends Network. 2013. Clean Air Status Trends Network (CASTNET) Sulfur and Nitrogen Deposition Monitoring Data. <http://epa.gov/castnet/javaweb/index.html>
- [CEC] Commission for Environmental Cooperation. 1997. Ecological regions of North America: toward a common perspective. Commission for Environmental Cooperation, Montreal, Quebec, Canada. 71p. Map (scale 1:12,500,000). Revised 2006.
- Chaney, E., Elmore, W., and Platts, W.S. 1990. Livestock Grazing on Western Riparian Areas. Northwest Resource Information Center, Inc. Eagle, Idaho. 45 pp.
- Christman, B.L. 2010. Investigations of the current distribution of the Northern Leopard Frog (*Lithobates* [=*Rana*] *pipiens*) in New Mexico, 2009-2010. Report to the New Mexico Department of Game and Fish, Share with Wildlife Program. Albuquerque, NM. 52 pg.
- Chronic, H. 1987. *Roadside Geology of New Mexico*. Mountain Press Publishing.

- Chung-MacCoubrey, A.L. 1995. Bat species using water sources in pinyon-juniper woodlands. In: Shaw, D.W. and Finch, D.M. (tech. coords.). *Desired Future Conditions for Southwestern Ecosystems: Bringing Interests and Concerns Together*. pp 168-170. September 18-22, 1995. Albuquerque, NM. Gen. Tech. Rep. RM-GTR-272. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station. 359p.
- Cicero, C. 2000. Juniper Titmouse (*Baeolophus ridgwayi*), *The Birds of North America Online* (A. Poole, ed.). Ithaca: Cornell Lab of Ornithology. <http://bna.birds.cornell.edu/bna/species/485b> (accessed January 6, 2015).
- Colwell-Chanthaphonh, C. and Ferguson, T.J. 2012a. Dewankwin Kyaba:chu Yalanne: The Zuni Cultural Landscape and the Proposed Roca Honda Uranium Mine. Report on File, Cibola National Forest and Grasslands.
- Colwell-Chanthaphonh, C. and Ferguson, T.J. 2012b. The Pueblo Laguna and Tsibina: Mount Taylor and the Proposed Roca Honda Uranium Mine. Report on File, Cibola National Forest and Grasslands.
- Cordell, K.H. 2008. *The Latest on Trends in Nature-Based Outdoor Recreation*. Forest History Today.
- Cordell, K.H. 2012. *Outdoor Recreation Trends and Futures, A Technical Document Supporting the Forest Service 2010 RPA Assessment*. General Technical Report SRS-150. 167 pp.
- Cordell, L.S. 1984. *Prehistory of the Southwest*. Academic Press, San Diego.
- Cordell, L.S. and McBrinn, M. 2012. *Archaeology of the Southwest*. 3rd ed. Left Coast Press, Walnut Creek, CA.
- Crowley, L. 2010. *Sustainable Springs: Improving Spring Management on a Southwest Forest*. Cibola National Forest, Albuquerque, NM.
- Cryan, P.M. 2014. White-nose Syndrome threatens the survival of hibernating bats in North America. Science Feature on USGS website: <https://www.fort.usgs.gov/science-feature/123> (accessed November 13, 2014).
- Daubenmire, R. 1968. *Plant Communities: A Textbook of Plant Synecology*. New York: Harper & Row.
- DeBano, L.F., Folliot P.F., and Brooks, K.N. 1996. Flow of water and sediments through southwestern riparian systems. In: *Desired Future Conditions for Southwestern Riparian Ecosystems: Bringing Interests and Concerns Together*. USDA Forest Service, RM-GTR-272.
- deBuys, W.E. 1985. *Enchantment and Exploitation: The Life and Hard Times of a New Mexico Mountain Range*. University of New Mexico Press, Albuquerque.
- Degenhardt, W.G., Painter, C.W., and Price, A.H. 1996. *Amphibians and Reptiles of New Mexico*. University of New Mexico Press. Albuquerque, NM.
- Deloria, V., Jr. 1994. *God is Red: A Native View of Religion*. Fulcrum Publishing, Golden.

- Denevan, W.M. 1967. Livestock Numbers in Nineteenth-Century New Mexico, and the Problem of Gullying in the Southwest. *Annals of the Association of American Geographers* 57:691-703.
- Dieterich, J.H. 1983. Fire history of a southwestern mixed conifer: a case study. *Forest Ecology and Management* 6:13-31.
- Dixon, G.E. 2002. Essential FVS: a user's guide to the Forest Vegetation Simulator, reference manual. USDA Forest Service, Forest Management Service Center. Fort Collins, Colorado, USA.
- Doran, J.W. and Parkin, T.B. 1994. Defining and assessing soil quality. In: J.W. Doran, Coleman, D.C., Bezdicek, D.F., and Stewart, B.A. (eds.). *Defining Soil Quality for a Sustainable Environment*. SSSA, Inc., Madison, Wisconsin, USA.
- Dore, S., Kolb, T.E., Montes-Helu, M., Sullivan, B.W., Winslow, W.D., Hart, S.C., Kaye, J.P., Koch, G.W., and Hungate, B.A. 2008. Long-term impact of a stand-replacing fire on ecosystem CO₂ exchange of a ponderosa pine forest. *Global Change Biology* 14: 1-20.
- Driscoll, C.T., Lawrence, G.B., Bulger, A.J., Butler, T.J., Cronan, C.S., Eagar, C., Lambert, K.F., Likens, G.E., Stoddard, J.L., and Weathers, K.C. 2001. Acid rain revisited: advances in scientific understanding since the passage of the 1970 and 1990 Clean Air Act Amendments. In: Hubbard Brook Research Foundation, vol. 1. Science Links Publication. No. 1.
- eBird. 2013. eBird: An online database of bird distribution and abundance (web application). eBird, Ithaca, New York. <http://www.ebird.org> (accessed August 2013).
- Eckert, S.L., Cordell, L.S. 2004. Pueblo IV Community Formation in the Central Rio Grande Valley: Albuquerque, Cochiti and Lower Rio Puerco. In: *The Protohistoric World, AD 1275–1600*, Adams, C.E, Duff, A.I. (eds.). pp. 3–16. University of Arizona Press, Tucson.
- England, A.S. and Laudenslayer Jr., W.F. 1993. Bendire's Thrasher (*Toxostoma bendirei*), *The Birds of North America Online* (A. Poole, ed.). Ithaca: Cornell Lab of Ornithology. <http://bna.birds.cornell.edu/bna/species/071> (accessed January 11, 2015).
- [ENMRD] New Mexico Energy, Minerals, and Natural Resources Department, Forestry Division. 2010. *New Mexico Statewide Natural Resource Assessment & Strategy and Response Plans*. 1220 So. St. Francis Dr., Santa Fe, NM 87105. 147 pp.
- [ESSA] ESSA Technologies Ltd. 2006. *Vegetation dynamics development tool user guide, Version 5.1*. Vancouver, British Columbia, Canada. <http://essa.com/downloads/vddt/download.htm>.
- [FAMWEB] Fire and Aviation Management Web Applications. 2013. <https://fam.nwcg.gov/fam-web/> (accessed April 12, 2013).
- Fenn, M.E., Lambert, K.F., Blett, T., Burns, D.A., Pardo, L.H., Lovett, G.M., Haeuber, R., Evers, D.C., Driscoll, C.T., and Jeffries, D.S. 2011. Setting limits: Using air pollution thresholds to protect and restore U.S. ecosystems. *Issues in Ecology* 14: 1-21.

- [FHWA] US Department of Transportation, Federal Highway Administration. 2013. Americas Byways.
<http://byways.org>
- Finch, D.M. August 1992. Threatened, Endangered, and Vulnerable Species of Terrestrial Vertebrates in the Rocky Mountain Region. USDA Forest Service General Technical Report RM-215.
- Frisbee, M.D., Phillips, F.M., Campbell, A.R., Lui, F., and Sanchez, S.A. 2011. Streamflow generation in a large alpine watershed in the southern Rocky Mountains of Colorado: Is streamflow generation simply the aggregation of hillslope runoff responses? *Water Resources Research*, vol.47, W06512.
- [GCVTC] Grand Canyon Visibility Transport Commission. 1996. Recommendations for Improving Western Vistas. <http://www.wrapair.org/WRAP/reports/GCVTCFinal.pdf>
- Geib, P.R. 2000. Sandal Types and Archaic Prehistory on the Colorado Plateau. *American Antiquity* 65:509-524.
- Geiser, L.H., Jovan, S.E., Glavich, D.A., and Porter, M.K. 2010. Lichen-Based Critical Loads for Atmospheric Nitrogen Deposition in Western Oregon and Washington Forests. *U.S.A. Environmental Pollution* 158: 2412-2421.
- Gilliam, F.S. 2007. The ecological significance of the herbaceous layer in forest ecosystems. *BioScience*. 57: 845-858.
- Globe Metals and Mining. 2013. Fluorite.
<http://www.globemetalsandmining.com.au/Commodities/Fluorite.aspx>
- Glover, V.J. and Hereford, J.P., Jr. 1986. Zuni Mountain Railroads, Cibola National Forest, New Mexico. Historical Society of New Mexico, Santa Fe.
- Gobi Tushleg. 2010. What is fluorspar used for. <http://fluorspar.mn/?p=18>
- Goetze, C.E. and Mills, B.J. 1993. Classification Criteria for Wares and Types. In: *Across the Colorado Plateau: Anthropological Studies for the Transwestern Pipeline Expansion Project Vol. XVI*, Mills, B.J., Goetze, C.E., Zedeño, M.N. (eds.). Office of Contract Archaeology and Maxwell Museum of Anthropology, Albuquerque.
- Goldstein, E. and Rominger, E. 2013. 2013 Autumn Manzanos Bighorn Sheep Survey. Summary submitted to Cibola National Forest, 2 pg.
- Gonzales, P.B. 2003. Struggle for Survival: The Hispanic Land Grants of New Mexico, 1848-2001. *Agricultural History* 77:293-324.
- Graham, R.T., Harvey, A.E., Jurgensen, M.T., Jain, T.B., Tonn, J.R., and Page-Dumroese, D.S. 1994. Managing Coarse Woody debris in Forests of the Rocky Mountains. USDA Forest Service, Intermountain Research Station. Research Paper INT-RP-477.

- Green, G.A. and Anthony, R.G. 1989. Nesting success and habitat relationships of burrowing owls in the Columbia Basin, Oregon. *The Condor* 91(2):347-354.
- Griffin-Pierce, T. 2000. *Native Peoples of the Southwest*. University of New Mexico Press, Albuquerque.
- Grissino-Mayer, H.D., Baisan, C.H., and Swetnam, T.W. 1995. Fire history in the Pinaleno Mountains of southeastern Arizona: Effects of human-related disturbances. In: DeBano, L.F., Gottfried, G.J., Hamre, R.H., Edminster, C.B., Ffolliott, P.F., and Ortega-Rubio, A. (eds.). *Biodiversity and Management of the Madrean Archipelago: The Sky Islands of Southwestern United States and Northwestern Mexico*. USDA Forest Service, General Technical Report RM-GTR-264: 399–407.
- Hand, J.L., Copeland, S.A., Day, D.E., Dillner, A.M., Indresand, H., Malm, W.C., McDade, C.E., Moore, C.T., Pitchford, M.L., Schichtel, B.A., and Watson, J.G. 2011. *Spatial and Seasonal Patterns and Temporal Variability of Haze and its Constituents in the United States: Report V: June 2011*. ISSN 0737-5352-87. <http://vista.cira.colostate.edu/improve/publications/reports/2011/2011.htm>
- Hann, W.J. and Bunnell, D.L. 2001. Fire and land management planning and implementation across multiple scales. *Int. J. Wildland Fire*. 10:389-403.
- Hann, W.J., Shlisky, A., Havlina, D., Schon, K., Barrett, S.W., DeMeo, T.E., Pohl, K., Menakis, J.P., Hamilton, D., Jones, J., Levesque, M., and Frame, C.K. 2008. *Interagency fire regime condition class (FRCC) guidebook. Version 1.3.0*. USDA Forest Service, USDI, The Nature Conservancy, and Systems for Environmental Management technical guide. <http://www.frcc.gov>
- Hayden, J. 2013. Letter from the Torrance County Archaeological Society in Response to a Request for Information for an Assessment of Current Conditions for the Cibola National Forest Plan Revision. Letter on file, Forest Planning Program, Cibola National Forest and National Grasslands, Albuquerque.
- Haynes, C.V., Jr. and Agogino, G.A. 1986. *Geochronology of Sandia Cave*. Smithsonian Contributions to Anthropology 32. Smithsonian Institution Press, Washington D.C.
- Headwaters Economics. 2013. *Economic Profile System-Human Dimension Toolkit (EPS-HDT)*. <http://headwaterseconomics.org/>
- Hegmon, M., Nelson, M.C., Anyon, R., Creel, D., LeBlanc, S.A., and Shafer, H.J. 1999. Scale and Time-Space Systematics in the Post-A.D. 1100 Mimbres Region of the North American Southwest. *Kiva* 65:143-166.
- Heinlein, T.A., Moore, M.M., Fulé, P.Z., and Covington, W.W. 2005. Fire history and stand structure of two ponderosa pine-mixed conifer sites: San Francisco Peaks, Arizona, USA. *International Journal of Wildland Fire* 14(3): 307-320.
- Hibben, F.C. 1955. Specimens from Sandia Cave and Their Possible Significance. *Science* 122:688-689.
- Hill, M.E., Jr. and Holliday, V.T. 2011. Paleoindian and Later Occupations along Ancient Shorelines of the San Augustín Plains, New Mexico. *Journal of Field Archaeology* 36:3-20.

- Holliday, V.T. and Mandel, R.D. 2006. Geoaerchology of the Plains, Southwest, and Great Lakes. In: Handbook of North American Indians, Vol. 3, Environment, Origins, and Population, Ubelaker, D.H. (ed.). pp. 23-46. Smithsonian Institution, Washington, D.C.
- Howard, V.W., Cheap, K.M., Hier, R.H., Thompson, T.G., and Dimas, J.A. 1987. Effects of cabling pinyon-juniper on mule deer and lagomorph use. *Wildlife Society Bulletin* 15: 242-247.
- Huckell, B.B. 1996. The Archaic Prehistory of the North American Southwest. *Journal of World Prehistory* 10:305-373.
- Hudson, P. 2011. Chapter 2: Cultural History of Cedro Canyon and the Manzanita Mountains. In: Sandia Landscape Vegetation Project: Cedro Archaeological Inventory, Sandia Ranger District, Cibola National Forest, Bernalillo County, New Mexico. FS Report: 2011-03-071B. Report on file with the Cibola National Forest Supervisor's Office, Albuquerque, NM.
- Huntley, D. 2013. Letter from Deborah Huntley of Archaeology Southwest in Response to a Request for Information for an Assessment of Current Conditions for the Cibola National Forest Plan Revision. Letter on file, Forest Planning Program, Cibola National Forest and National Grasslands, Albuquerque.
- Hurteau, M.D. and Wiedinmyer, C. 2010. Response to comment on "Prescribed Fire as a Means of Reducing Forest Carbon Emissions in the Western United States." *Environmental Science & Technology*. 44: 6521-6521.
- [IMPROVE] Interagency Monitoring of Protected Visual Environment Website. 2012. IMPROVE Monitoring Data. <http://views.cira.colostate.edu/fed/>
- iNaturalist. 2013. An online database of natural history observations (web application). <http://www.inaturalist.org/> (accessed June-August 2013).
- [IPCC] Intergovernmental Panel on Climate Change. 2007. Climate change 2007: The IPCC fourth assessment report. Intergovernmental Panel on Climate Change, Working Group I Report (The Physical Science Basis). Cambridge, UK. Cambridge University Press.
- Ivey, J.E. 1988. In the Midst of a Loneliness, the Architectural History of the Salinas Missions. Salinas Pueblo Missions National Monument, Historic Structures Report. USDOJ, National Park Service, Southwest Cultural Resources Center. Santa Fe, New Mexico. http://www.nps.gov/sapu/historyculture/upload/SAPU_hsr.pdf
- James Kent Associates, Rural Planning Institute, Inc. 2006. Sierra County Comprehensive Plan. 170 pp.
- Kintigh, K.W. 1996. The Cibola Region in the Post-Chacoan Era. In: *The Prehistoric Pueblo World, A.D. 1150–1350*, Adler, M.J. (ed.). University of Arizona Press, Tucson.
- Knaut, A. 1995. *The Pueblo Revolt of 1680: Conquest and Resistance in the Seventeenth-Century New Mexico*. University of Oklahoma Press, Norman.

- Krist, F.J., Ellenwood, J.R., Woods, M.E., McMahan, A.J., Cowardin, J.P., Ryerson, D.E., Sapio, F.J., Zweifler, M.O., and Romero, S.A. 2014. 2013–2027 National Insect and Disease Forest Risk Assessment. U.S. Forest Service, Forest Health Technology Enterprise Team. Fort Collins, Colorado. http://www.fs.fed.us/foresthealth/technology/pdfs/2012_RiskMap_Report_web.pdf
- Kunz, T.H. and Martin, R.A. 1982. *Plecotus townsendii*. *Mammalian Species* 175: 1-6.
- Lane, L.J., Nichols, M.H., and Simanton, J.R. 1995. Spatial variability of cover affecting erosion and sediment yield in overland flow. pp. 147-152 In: *Effects of scale on interpretation and management of sediment and water quality: International Association of Hydrological Sciences Publication 226*. Osterkamp, W.R., (ed.). 301 pp.
- Lang, B. 2002. Biodiversity survey of large branchiopod crustaceans in New Mexico: Completion report (2000-2002). Submitted to Bureau of Land Management, New Mexico State Office. Prepared by New Mexico Department of Game and Fish, Conservation Services Division. 43 p.
- Langmuir Laboratory for Atmospheric Research. 2013. <http://langmuir.nmt.edu/>
- Larson, D.L., Rhodes, J.C., Acklen, R.D., Roxlau, R.B., Goar, T.R., Meyer, E.G., and Berry, K.L. 1998. Results of Phase III Site Documentation and Other Field Studies for Kirkland Air Force Base, Bernalillo County, New Mexico.
- Laumbach, K. 2011. Canada Alamosa Project: The Archaeological Sites. Human Systems Research, Inc., Tularosa, NM.
- Laumbach, K. 2013. Letter from Karl Laumbach of Human Systems Research, Inc. in Response to a Request for Information for an Assessment of Current Conditions for the Cibola National Forest Plan Revision. Letter on file, Forest Planning Program, Cibola National Forest and National Grasslands, Albuquerque.
- Lekson, S.H. 2013. Letter from Steve Lekson of the University of Colorado in Response to a Request for Information for an Assessment of Current Conditions for the Cibola National Forest Plan Revision. Letter on file, Forest Planning Program, Cibola National Forest and National Grasslands, Albuquerque.
- Lekson, S.H., Nepstad-Thornberry, C.P., Yunker, B.E., Laumbach, T.S., Cain, D.P., and Laumbach, K.W. 2002. Migrations in the Southwest: Pinnacle Ruin, Southwestern New Mexico. *Kiva* 68:73-101.
- LeTourneau, P.D. 2000. Folsom Toolstone Procurement in the Southwest and Southern Plains. Unpublished Ph.D. dissertation, Department of Anthropology, University of New Mexico, Albuquerque.
- Levick, L., Fonseca, J., Goodrich, D., Hernandez, M., Semmens, D., Stromberg, J., Leidy, R., Scianni, M., Guertin, D.P., Tluczek, M., and Kepner, W. 2008. The Ecological and Hydrological Significance of Ephemeral and Intermittent Streams in the Arid and Semi-arid American Southwest. U.S. Environmental Protection Agency and USDA/ARS Southwest Watershed Research Center, EPA/600/R-08/134, ARS/233046, 116 pp.

- Liebmann, M., Ferguson, T.J., and Preucel, R. 2005. Pueblo Settlement, Architecture and Social Change in the Pueblo Revolt Era, A.D. 1680 to 1696. *Journal of Advanced Archaeology* 30:45-60.
- Logan, J.A., Régnière, J., and Powell, J.A. 2003. Assessing the impacts of global warming on forest pest dynamics. *Frontiers in Ecology and the Environment* 1(3):130-137.
- Lynch, J., Pardo, L.H., and Huber, C. 2012. Detailed documentation of the CLAD US critical loads of sulfur and nitrogen MS Access database, version 15.03.11. Created for the Critical Loads of Atmospheric Deposition (CLAD) Science Subcommittee of the National Atmospheric Deposition Program (NADP). http://nadp.sws.uiuc.edu/committees/clad/CLAD_Database_v15_03_11_Doc_FINAL.pdf
- Marshall, M.P. and Marshall, C.L. 1994. Archaeological Inventory at Three Sites within the Proposed Rio Bravo Blvd. and Paseo del Vol-can Corridors, Bernalillo County, New Mexico. Cultural Resource Report, prepared by Cibola Research Consultants.
- Marshall, M.P. and Walt, H.J. 1984. Rio Abajo: Prehistory and History of a Rio Grande Province. New Mexico Historic Preservation Division, Santa Fe.
- Martin, T.E. and Barber, P.M. 1995. Red-faced Warbler (*Cardellina rubrifrons*), *The Birds of North America Online* (A. Poole, ed.). Ithaca: Cornell Lab of Ornithology. <http://bna.birds.cornell.edu/bna/species/152> (accessed January 5, 2015).
- McAnulty, W.N. 1978. Fluorspar in New Mexico, New Mexico Bureau of Mines and Mineral Resources, Memoir 34.
- McCoy, K.J. 2008. Precipitation, Ground-water Hydrology, and Recharge along the Eastern Slopes of the Sandia Mountains, Bernalillo County, New Mexico. U.S Dept. Interior, USGS, Scientific Investigations Report 2008-5179.
- McEnany, T.G., Schutt, J.A., and Chapman, R. 2001. An Archaeological Survey along New Mexico 165 in Las Huertas Canyon, Sandoval and Bernalillo Counties, New Mexico. FS Report 2001-03-073. Report on file, Heritage Report, Cibola National Forest and National Grasslands, Supervisor's Office, Albuquerque.
- McIntosh, T. 2013. Letter from the New Mexico Archeological Council in Response to a Request for Information for an Assessment of Current Conditions for the Cibola National Forest Plan Revision. Letter on file, Forest Planning Program, Cibola National Forest and National Grasslands, Albuquerque.
- McNab, W.H., Cleland, D.T., Freeouf, J.A., Keys, Jr., J.E., Nowacki, G.J., and Carpenter, C.A. (comps.). 2005. Description of ecological subregions: sections of the conterminous United States (CD-ROM). Washington, DC: U.S. Department of Agriculture, Forest Service. 80 p.
- McNulty, S.G., Cohen, E.C., Moore Myers, J.A., Sullivan, T.J., and Li, H. 2007. Estimates of critical acid loads and exceedances for forest soils across the conterminous United States. *Environmental Pollution*. 149: 281-292. www.treesearch.fs.fed.us/pubs/28964

- [MDN] Mercury Deposition Network. 2011. National Atmospheric Deposition Program Office. Illinois State Water Survey, 2204 Griffith Dr., Champaign, IL 61820.
http://nadp.sws.uiuc.edu/maplib/pdf/mdn/hg_Conc_2011.pdf and
http://nadp.sws.uiuc.edu/maplib/pdf/mdn/hg_dep_2011.pdf
- [MEA] Millennium Ecosystem Assessment. 2005. *Ecosystems and Human Well-being: Biodiversity Synthesis*. World Resources Institute, Washington, DC.
- Mellin, T., Triepke, F.J., and Joria, P. 2008. Mapping existing vegetation at the mid-scale level in the Forest Service Southwestern Region. Proceedings of the twelfth biennial USDA Forest Service remote sensing applications conference. Salt Lake City, Utah, 15-19 April 2008, CD-ROM.
- Melzer, R. 2000. *Coming of Age in the Great Depression: The Civilian Conservation Corps Experience in New Mexico, 1933–1942*. Yucca Tree Press, Las Cruces, NM.
- Metcalf, A.L. and Smartt, R.A. 1997. Land Snails of New Mexico. *New Mexico Museum of Natural History and Science, Bulletin 10*. Albuquerque, New Mexico. 145 pp.
- Minerals Zone. 2013. Fluorite. <http://www.mineralszone.com/minerals/fluorite.html>
- Mockrin, M.H., Aiken, R.A., and Flather, C.H. 2012. Wildlife-Associated Recreation Trends in the United States, A Technical Document Supporting the Forest Service 2010 RPA Assessment. General Technical Report RMRS-GTR-293. 34 pp.
- Montgomery, C. 2002. *The Spanish Redemption: Heritage, Power, and Loss on New Mexico's Upper Rio Grande*. University of California Press, Berkeley.
- [MRCOG] Mid-Region Council of Governments. 2003. *Comprehensive Land Use Plan for Torrance County, New Mexico*. 82 pp.
- [MRCOG] Mid-Region Council of Governments. 2005. *Comprehensive Land Use Plan for Valencia, County, New Mexico*. 124 pp.
- Musello, C. and Walt, H. 1999. *Las Huertas Canyon: An Ethnographic Study of Hispanic and Puebloan Cultural Resources in a Sandia Mountain Canyon*. Report on file, Heritage Resources Program, Cibola National Forest and National Grasslands, Albuquerque. Report 1997-03-110B.
- [NADP] National Atmospheric Deposition Program. 2009. *Critical Loads, Evaluating the Effects of Airborne Pollutants on Terrestrial and Aquatic Ecosystems*.
<http://nadp.sws.uiuc.edu/lib/brochures/criticalloads.pdf>
- [NADP] National Atmospheric Deposition Program. 2013. *National Atmospheric Deposition, National Trends Network, and Mercury Deposition Network Data*. <http://nadp.sws.uiuc.edu/data/>
- National Federal Lands Conference. 2009. *Catron County Comprehensive Land Plan*. 360 pp.

- National Register of Historic Places Staff. 2002. How to Apply the National Register Criteria for Evaluation. National Register Bulletin 15. Revised. U.S. Department of Interior, National Park Service, Washington D.C.
- NatureServe. 2012. NatureServe Explorer: An online encyclopedia of life (web application). Version 7.1. NatureServe, Arlington, Virginia. <http://www.natureserve.org/explorer> (accessed August 26, 2013).
- Navajo Nation, Division of Natural Resources. 2008. Navajo Endangered Species List. http://nnhp.nndfw.org/nnhp_nesl.pdf (accessed March 18, 2013).
- New Mexico Administrative Code. 2013. Title 20, Chapter 2, Part 65 (20.2.65 Environmental Protection, Air Quality [Statewide], Smoke Management): February 2013. <http://www.nmcpr.state.nm.us/nmac/>
- New Mexico Crucial Habitat Data Set. 2013. New Mexico Crucial Habitat Assessment Tool: Mapping Fish and Wildlife Habitat in New Mexico. New Mexico Game & Fish Department and Natural Heritage New Mexico. Published 12/10/2013. <http://nmchat.org/> (accessed 7/23/2014).
- New Mexico Department of Tourism. 2013. Parks and Byways, Scenic Byways. <http://www.newmexico.org/parks-and-byways>
- New Mexico Historic Preservation Division. 2012. New Mexico's Rich Cultural Heritage, Listed State and National Register Properties. <http://www.nmhistoricpreservation.org/programs/registers.html>
- [NHNM] Natural Heritage New Mexico. 2013. Arizona-New Mexico Heritage Data Web Map. http://gis-web.heritage.unm.edu/flexviewers/soi_usfsblm (accessed June–August 2013).
- [NMBCC] New Mexico Biodiversity Collections Consortium. 2013. Data Query. <http://nmbiodiversity.org/query.php> (accessed April–August 2013).
- [NMDGF] New Mexico Department of Game and Fish. 1991. Checklist of the Extinct, Extirpated, and Vanishing Wildlife of New Mexico. Published March 11, 1991, by the New Mexico Department of Game and Fish, Endangered Species Program, Santa Fe, NM.
- [NMDGF] New Mexico Department of Game and Fish. 2006. Comprehensive Wildlife Conservation Strategy for New Mexico. New Mexico Department of Game and Fish. Santa Fe, New Mexico. 526 pp + appendices.
- [NMED] New Mexico Environment Department. 2011a. New Mexico Fish Consumption Advisories. <ftp://ftp.nmenv.state.nm.us/www/swqb/MAS/Advisories/FishConsumptionAdvisories-2012.pdf>
- [NMED] New Mexico Environment Department. 2011b. New Mexico Section 309(g) Regional Haze State Implementation Plan, February 28, 2011 (Revised March 31, 2011). http://www.nmenv.state.nm.us/aqb/reghaz/documents/Proposed_RH_SIP_309g_03312011.pdf

- [NMED] New Mexico Environment Department. 2012. 2012–2014 State of New Mexico Clean Water Act §303(d)/§305(b) Integrated Report. State of New Mexico, Water Quality Control Commission. Prepared by NMED Surface Water Quality Bureau, Santa Fe, NM. <http://www.nmenv.state.nm.us/swqb/303d-305b/2012-2014/>
- [NMED] New Mexico Environment Department. 2013. Air Quality Bureau, Regional Haze updates as of March 2013. <http://www.nmenv.state.nm.us/aqb/reghaz/NMRegionalHazeandInfrastructureSIPsubmittals.htm>
- [NMOSE] New Mexico Office of the State Engineer. 2006. Rules and Regulations Governing the Appropriation and Use of Ground Water in New Mexico. State of New Mexico, Santa Fe, NM. <http://www.ose.state.nm.us/PDF/RulesRegsGuidelines/GroundWaterRulesRegs-2005-08-15.pdf>
- [NMRPTC] New Mexico Rare Plant Technical Council. 1999. New Mexico Rare Plants Home Page. Latest update: March 30, 2012. <http://nmrareplants.unm.edu> (accessed October 2012–August 2013).
- [NMSFD] New Mexico State Forestry Division. 2013a. Community Wildfire Protection Plans. <http://www.emnrd.state.nm.us/SFD/FireMgt/cwpps.html>
- [NMSFD] New Mexico State Forestry Division. 2013b. New Mexico State Endangered Plant Species. <http://www.emnrd.state.nm.us/SFD/ForestMgt/documents/NMENDANGEREDPLANTList.pdf> (accessed March 18, 2013).
- [NMSPD] New Mexico State Parks. 2009. New Mexico Statewide Comprehensive Outdoor Recreation Plan (SCORP) 2010–2014. <http://www.emnrd.state.nm.us/SPD/scorp/documents/2-WebCopy-NM2010-2014SCORP12-31-09.redu.pdf>
- [NMT] New Mexico Institute of Mining and Technology, Department of Geology and Mineral Resources. 2010. Virtual Geologic Tour of New Mexico Federal Parks, Monuments, & Refuges. Zuni-Bandera volcanic field. El Malpais & El Morro National Monuments. New Mexico Bureau of Geology & Mineral Resources.
- [NOAA] National Oceanic and Atmospheric Administration. 1985. National Oceanic and Atmospheric Administration Narrative Summaries, Tables and Maps for Each State with Overview of State Climatologist Programs. National Oceanic and Atmospheric Administration. New material by James A. Ruffner. 3rd ed. Detroit, Mich., Gale Research Co., vol 1.
- [NPS] National Park Service. 2012. Nature & Science Web Site, Atmospheric Deposition – Grand Canyon National Park. http://www.nps.gov/grca/naturescience/airquality_atmos-dep.htm
- [NREL] National Renewable Energy Laboratory. 2010. <http://www.nrel.gov/>
- [NWNMCOG] Northwest New Mexico Council of Governments. 2012. McKinley County, New Mexico Comprehensive Plan Update. 143 pp.
- Opler, M.E. 1983. Mescalero Apache. In: Handbook of North American Indians: Southwest. Vol. 10, pp. 419–439. (Ortiz, A. ed.). Smithsonian Institution, Washington, D.C.

- Opler, M.E. 1994. *Myths and Tales of the Chiricahua Apache Indians*. University of Nebraska Press, Lincoln.
- Otis, A.T., Honey, W.D., Hogg, T.C., and Lakin, K.K. 1986. *The Forest Service and the Civilian Conservation Corps: 1933–42*. United States Department of Agriculture, Forest Service Publication No. FS-395.
- Pacific Northwest Interagency Natural Areas Network. 2013. *Natural Areas, Conservation, Research*.
<http://www.fsl.orst.edu/rna/>
- Pardo, L.H., Robin-Abbott, M.J., and Driscoll, C.T. 2011. Assessment of nitrogen deposition effect and empirical critical loads of nitrogen for ecoregions of the United States. Gen. Tech. Rep. NRS-80. U.S. Department of Agriculture, Forest Service Northern Research Station. 291 pp.
<http://treesearch.fs.fed.us/pubs/38109>
- Parezo, N.J. 1996a. The Diné (Navajos). In: *Paths of Life: American Indians of the Southwest and Northern Mexico*, Sheridan, T.E., Parezo, N.J. (eds.). pp. 3-33. University of Arizona Press, Tucson.
- Parezo, N.J. 1996b. The Hopis: Hopivotkwani, The Hopi Path of Life. In: *Paths of Life: American Indians of the Southwest and Northern Mexico*, Sheridan, T.E., Parezo, N.J. (eds.). pp. 237-266. University of Arizona Press, Tucson.
- Parker, P.L. and King, T.F. 1998. *Guidelines for Evaluating and Documenting Traditional Cultural Properties*. National Register Bulletin 38. Revised. U.S. Department of Interior, National Park Service, Washington D.C.
- Penuelas, J., Canadell, J.G., and Ogaya, R. 2011. Increased water-use efficiency during the 20th century did not translate into enhanced tree growth. *Global Ecological Biogeology* 20: 597-608.
- Peterson, F.F. 1981. *Landforms of the Basin and Range Province defined for soil survey*. Nevada Agricultural Experiment Station Tech. Bull. 28.
- Pevar, S.E. 2004. *The Rights of Indians and Tribes: The Authoritative ACLU Guide to Indian and Tribal Rights*. New York University Press.
- Pew Research Center. 2013. *Mapping the Latino Population, By State, County and City*.
http://www.pewhispanic.org/files/2013/08/latino_populations_in_the_states_counties_and_cities_FIN_AL.pdf
- Pidwirny, M. 2006. *Acid Precipitation. Fundamentals of Physical Geography, 2nd Edition*.
- Prichard, D., Anderson, J., Correll, C., Fogg, J., Gebhardt, K., Krapf, R., Leonard, S., Mitchell, B., and Staats, J. 1998. *Riparian Area Management—A user guide to assessing proper functioning condition and supporting science for lotic areas*. BLM Technical Reference 1737-15. Denver, CO, 126 pp.
<http://www.blm.gov/nstc/library/pdf/Final%20TR%201737-15.pdf>
- Raish, C. and McSweeney, A.M. 2008. Land Grants and the U.S. Forest Service. *Natural Resources Journal* No. 48:1039-1055.

- Rao, L.E., Allen, E.B., and Meixner, T. 2010. Risk-based determination of critical nitrogen deposition loads for fire spread in southern California deserts. *Ecological Applications*. 20:1320-1335.
- Rasmussen, C. 2006. Distribution of Soil Organic and Inorganic Carbon Pools by Biome and Soil Taxa in Arizona. *Soil Sci. Soc. Am. J.* 70:256-265.
- Reeve, F.D. 1959. The Navaho-Spanish Peace: 1720's–1770's. *New Mexico Historical Review* 34:9-40.
- Reynolds, R.T., Sanchez Meador, A.J. , Youtz, J.A., Nicolet, T., Matonis, M.S., Jackson, P.L., DeLorenzo, D.G., and Graves, A.D. 2013. Restoring composition and structure in southwestern frequent-fire forests: A science-based framework for improving ecosystem resiliency. Gen. Tech. Rep. RMRS-GTR-310, Ft. Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 76 p.
- Romero, R. 2000. Community Resource Planning: Mountainair Ranger District, New Mexico. *Alternative Dispute Resolution and Natural Resources: Building Consensus & Resolving Conflicts in the Twenty-first Century, Conference Proceedings*, pp. 271-274. Tucson.
- Roney, J.R. 1996. The Pueblo III Period in the Eastern San Juan Basin and Acoma-Laguna Areas. In: *The Prehistoric Pueblo World, A.D. 1150-1350*, M.J. Adler (ed.). University of Arizona Press, Tucson.
- RoperASW. 2004. Outdoor recreation in America 2003: Recreation's benefits to society challenged by trends. *Recreation Roundtable*. 22p. <www.funoutdoors.com/files/ROPER%20REPORT%202004_0.pdf
- Ryan, M.G., Archer, S.R., Birdsey, R.A., Dahm, C.N., Heath, L.S., Hicke, J.A., Hollinger, D.Y., Huxman, T.E., Okin, G.S., Oren, R.; Randerson, J.T., and Schlesinger, W.H. 2008. Chapter 3 - Land resources: Forest and arid lands. In: *Backlund, P., Janetos, A., and Schimel, D. 2008. The effects of climate change on agriculture, land resources, water resources, and biodiversity in the United States. Synthesis and Assessment Product 4.3*. Washington, D.C.: U.S. Environmental Protection Agency, Climate Change Science Program: 75-120.
- Ryerson, D. 2013. *Forest Insect and Disease History of the Cibola National Forest*. United States Department of Agriculture, Forest Service, Southwestern Region, Forestry and Forest Health. 31 pp.
- Sánchez-Meador, A.J., Parysow, P.F., and Moore, M.M. 2008. Historical stem-mapped permanent plots increase precision of reconstructed reference data in ponderosa pine forests of northern Arizona. *Restoration Ecology* 18: 224–234.
- Sando, J. 1992. *Pueblo Nations: Eight Centuries of Pueblo Indian History*. University of New Mexico Press, Albuquerque.
- Sandoval County Planning and Zoning Task Force. 1987. *Sandoval County, New Mexico Comprehensive Plan*. 12 pp.

- Sather, M., Mukerjee, S., Smith, L., Mathew, J., Jackson, C., Callison, R., Scrapper, L., Hathcoat, A., Adam, J., Keese, D., Ketcher, P., Brunette, R., Karlstrom, J., and Van der Jagt, G. 2013. Gaseous oxidized mercury dry deposition measurements in the Four Corners area and Eastern Oklahoma, U.S.A. *Atmospheric Pollution Research* 4(2):168-180.
- Sauer, J.R., Hines, J.E., Fallon, J.E., Pardieck, K.L., Ziolkowski, D.J., Jr., and Link, W.A. 2012. The North American Breeding Bird Survey, Results and Analysis 1966 - 2011. Version 07.03.2013 <http://www.pwrc.usgs.gov/>, Laurel, MD
- Savage, M. and Mast, J.N. 2005. How resilient are southwestern ponderosa pine forests after high-severity fires? *Can. J. For. Res.* 35: 967–977.
- Schmidt, M.W., Torn, M.S., Abiven, S., Dittmat, T., Guggenberger, G., Janssens, I.A., Kleber, M., Kogel-Knaber, I., Lehmann, J., Manning, D.A.C., Nannipieri, P., Rasse, D.P., Weiner, S., and Trumbore, S.E. 2011. Persistence of soils organic matter as an ecosystem property. *Nature*. 478:49-56.
- Schoennagel, T., Veblen, T.T., and Romme, W.H. 2004. The interaction of fire, fuels, and climate across Rocky Mountain forests. *BioScience* 54(7):661-676.
- Schroeder, A.H. 1979. Pueblos Abandoned in Historic Times. In: *Handbook of North American Indians*, Vol. 9, Southwest, Ortiz, A. (ed.). pp. 236-254. Smithsonian Institution, Washington, D.C.
- Schussman, H. and Smith, E. 2006. Historical Range of Variation for Potential Natural Vegetation Types of the Southwest. Prepared for the U.S.D.A. Forest Service, Southwestern Region by The Nature Conservancy, Tucson, AZ. 22 pp.
- Scurlock, D. 1998. From the Rio to the Sierra: An Environmental History of the Middle Rio Grande Basin. USDA Forest Service, GTR RMRS-GTR-5, Fort Collins, CO.
- Seaber, P., Kapinos, F.P., and Knapp, G.L. 1987. Hydrologic Unit Maps. Denver, CO: US Government Printing Office. http://pubs.usgs.gov/wsp/wsp2294/pdf/wsp_2294.pdf
- [SEINet] Southwest Environmental Information Network. 2013. Collections Search. <http://swbiodiversity.org/seinet/index.php> (accessed April–August 2013).
- Simonin, K.A. 2000. *Quercus gambelii*. In: *Fire Effects Information System (Online)*. USDA Forest Service, Rocky Mountain Research Station, Forestry Sciences Laboratory (producer). <http://www.fs.fed.us/database/feis/> (accessed October 28, 2004).
- Sites Southwest. 2006. Northern Socorro County Comprehensive Plan. 75 pp.
- Sites Southwest. 2007. Lincoln County, NM Comprehensive Plan. 102 pp.
- Soil Survey Staff. 2010. *Keys to Soil Taxonomy*, 11th ed. USDA-Natural Resources Conservation Service, Washington, DC.

- Springer, A.E., Stevens, L.E., Anderson, D.E., Partnell, R.A., Kreamer, D.K., Levin, L.A., and Flora, S.P. 2008. A comprehensive springs classification system. Integrating geomorphic, hydrogeochemical, and ecological criteria. In: *Aridland springs in North America: ecology and conservation*. Stevens L.E. and Meretsky, V.J. (eds.). pp 49-75. University of Arizona Press and the Arizona-Sonora Desert Museum, Tucson.
- Squires, J.R. and Reynolds, R.T. 1997. Northern Goshawk (*Accipiter gentilis*), *The Birds of North America Online* (A. Poole, ed.). Ithaca: Cornell Lab of Ornithology. <http://bna.birds.cornell.edu/bna/species/298> (accessed January 11, 2015).
- [SRM] Society for Range Management. 1998. *Glossary of Terms Used in Range Management*. 4th edition, Society for Range Management, Denver, Colorado. 32 pp.
- Stacier, C.A. and Guzy, M.J. 2002. Grace's Warbler (*Setophaga graciae*), *The Birds of North America Online* (A. Poole, ed.). Ithaca: Cornell Lab of Ornithology. <http://bna.birds.cornell.edu/bna/species/677> (accessed January 11, 2015).
- State of New Mexico, New Mexico Tech, New Mexico Bureau of Geology and Mineral Resources. 2012. *Federal Parks, Monuments, & Refuges*. El Malpais National Monument and El Morro National Monument, Zuni-Bandera Volcanic Field. <http://geoinfo.nmt.edu/tour/federal/home.html>
- Stevens, L.E. and Meretsky, V.J. 2008. *Aridland Springs in North America: Ecology and Conservation*. University of Arizona Press, Tucson.
- Straube, M. and Belton, L. 2012. Collaborative Group on Sustainable Grazing for U.S. Forest Lands in Southern Utah. Final Report and Consensus Recommendations. 32 pp.
- Strenger, S., Sebring, S., Robbie, W., Escobedo, F., Vaandrager, C., Andrew, V., Brooks, E., Krasine, C., Nielsen, B., and Fletcher, R. 2007. *Terrestrial Ecosystems Survey of the Cibola National Forest and National Grasslands*. USDA Forest Service, Southwestern Region, Albuquerque, NM. 696 pp.
- Sublette, J.E., Hatch, M.D., and Sublette, M. 1990. *The Fishes of New Mexico*. University of New Mexico Press, Albuquerque.
- Tesky, J.L. 1993. *Ovis canadensis*. In: *Fire Effects Information Systems*, (Online). U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory (producer). <http://www.fs.fed.us/database/feis/> (accessed January 5, 2015).
- Thompson, J.C. and Haynes, C.V., Jr. 2012. Radiocarbon Dating the Human Occupation at Sandia Cave, New Mexico. *American Antiquity* 77:303-314.
- Titus, F.B. 1980. *Ground water in the Sandia and northern Manzano Mountains, New Mexico*. Socorro, NM: Hydrologic Report 5, New Mexico Bureau of Mines and Mineral Resources.

- [TNC] The Nature Conservancy. 2006. Southwest Forest Assessment Project: Historical range of variation and state and transition modeling of historical and current landscape conditions for potential natural vegetation types of the southwestern U.S. The Nature Conservancy technical report available online http://azconservation.org/projects/southwest_forest_assessment, November 2013. TNC Arizona Chapter, Tucson, AZ.
- Torrance County Archaeological Society. 2013. Letter from the Torrance County Archaeological Society in Response to a Request for Information for an Assessment of Current Conditions for the Cibola National Forest Plan Revision. Letter on file, Forest Planning Program, Cibola National Forest and National Grasslands, Albuquerque.
- Triepke, F.J. and Moreland, J. 2013. Comparison of Ecosystem Mapping in the Southwest. Briefing paper, on file. USDA Forest Service – Southwestern Region.
- Triepke, F.J., Wahlberg, M.M., Cress, D.C., and Benton, R.L. 2013. RMAP – Regional Riparian Mapping Project. USDA Forest Service project report, Southwestern Region, Albuquerque, NM. 53 pp.
<http://www.fs.usda.gov/main/r3/landmanagement/gis>
- Triepke, F.J., Wahlberg, M.M., Muldavin, E.H., and Finch, D.M. 2014. Assessing climate change vulnerability for ecosystems of the southwestern U.S. USDA Forest Service unpublished technical report on file. Southwestern Region and Rocky Mountain Research Station in cooperation with the Western Wildland Environmental Threat Assessment Center. Regional Office, Albuquerque, NM. 40 pp.
- [UNM-BBER] University of New Mexico, Bureau of Business and Economic Research. 2007. Socioeconomic Assessment of the Cibola National Forest. 147 pp.
- [UNM-BBER] University of New Mexico, Bureau of Business and Economic Research. 2013. Socioeconomic Assessment Supplement for Cibola National Forest. 202 pp.
- [USCB ACS] United States Census Bureau. 2010. American Community Survey.
<http://www.census.gov/acs/www/>
- [USDA ERS] USDA Economic Research Service. 2002. Public Lands and Western Communities.
- [USDA NRCS] USDA Natural Resources Conservation Service. 2009. The PLANTS database
(<http://plants.usda.gov>, 11 December 2009) National Plant Data Center, Baton Rouge, LA 70874-4490.
- [USDI] US Department of the Interior. 2013. Payments in Lieu of Taxes, Payments and Acreage by State and County. County-payments 2010–2012. <http://www.doi.gov/pilt/county-payments.cfm>
- [USDI BLM] USDI Bureau of Land Management. 2010. Socorro Field Office Resource Management Plan.
http://www.blm.gov/style/medialib/blm/nm/field_offices/socorro/socorro_planning/socorro_rmp_2010.Par.67785.File.dat/RMP_Socorro_2010.pdf
- [USDI BLM] USDI Bureau of Land Management. 2013. New Mexico, Continental Divide National Scenic Trail. Continental Divide National Scenic Trail.

- [USDI BLM et al.] USDI Bureau of Land Management, USDA Forest Service, USDI Park Service. 2010. Final White-nose Syndrome Interagency Response Plan for New Mexico. http://www.blm.gov/pgdata/etc/medialib/blm/nm/programs/more/wildlife/white-nose_syndrome.Par.78519.File.dat/Final_NM_Interagency_wns_ResponsePlan_05Nov2010_wAppendices.pdf (accessed November 14, 2014).
- [USDI NPS] USDI National Park Service. 2013. National Register of Historic Places. http://www.nps.gov/nr/feature/places/weeklylistsearch.html?Property_Name=&MPS_Name=&refnum=&Areas_of_Significance=&address=&Town=&County=&State=-1&zoom_query=&zoom_sort=0
- [USDI NPS Big Bead Mesa] USDI National Park Service, Big Bead Mesa. 2013. National Historic Landmarks Program. <http://tps.cr.nps.gov/nhl/detail.cfm?ResourceId=727&ResourceType=Site>
- [USDI NPS El Morro] USDI National Park Service, El Morro National Monument. 2013. <http://www.nps.gov/elmo/index.htm>
- [USDI NPS Salinas] USDI National Park Service. 2013. Salinas Pueblo Missions National Monument, New Mexico. History and Culture. <http://www.nps.gov/sapu/historyculture/index.htm>
- [USDI NPS Sandia Cave] USDI National Park Service, Sandia Cave. 2013. National Historic Landmarks Program. <http://tps.cr.nps.gov/nhl/detail.cfm?ResourceId=346&ResourceType=Site2013>
- [USEPA] United States Environmental Protection Agency. 2000. Radionuclides (including Radon, Radium and Uranium) Hazard Summary. <http://www.epa.gov/airtoxics/hlthef/radionuc.html>
- [USEPA] United States Environmental Protection Agency. 2010. Assessment of Health and Environmental Impacts of Uranium Mining and Milling. http://www.epa.gov/region6/6sf/newmexico/grants/nm_grants_5yr_plan_07-2012.pdf
- [USEPA] United States Environmental Protection Agency. 2012. Air Quality System Database (AQS). Ambient air quality data resource database. <http://www.epa.gov/ttn/airs/airsaqs/>
- [USEPA] United States Environmental Protection Agency. 2013. Health Effects of Carbon Monoxide Air Pollution. <http://www.epa.gov/airquality/carbonmonoxide/index.html>
- [USFS] USDA Forest Service. 1973. National Forest Landscape Management, Volume 1. USDA Agricultural Handbook 434. Government Printing Office. Washington, DC.
- [USFS] USDA Forest Service. 1974. National Forest Landscape Management, Volume 2. USDA Agricultural Handbook 462. Government Printing Office. Washington, DC.
- [USFS] USDA Forest Service. 1982. ROS Users Guide. USDA, Forest Service.
- [USFS] USDA Forest Service. 1986. ROS Book. Washington, D.C. US Government Printing Office.
- [USFS] USDA Forest Service. 1989. Term special use permit for recreation residences (FS-2700-5a 94-01). Washington, DC: Department of Agriculture. 179 pp.

- [USFS] USDA Forest Service. 1992. Management Recommendations for the Northern Goshawk in the Southwestern United States. Rocky Mountain Forest and Range Experiment Station General Technical Report RM-217.
- [USFS] USDA Forest Service. 1995. Landscape Aesthetics: A Handbook for Scenery Management, Agriculture Handbook 701.
- [USFS] USDA Forest Service. 1997. Forest Service National Resource Book on American Indian and Alaska Native Relations.
- [USFS] USDA Forest Service. 1998a. Cibola National Forest Range of Natural Variability. Prepared by Reggie Fletcher. USDA Forest Service, Region 3, Albuquerque, NM.
- [USFS] USDA Forest Service. 1998b. Common Definitions for Maintenance and Construction Terms. Internal Forest Service Document. July. 5 pp.
- [USFS] USDA Forest Service. 1999. Roads Analysis: Informing Decisions about Managing the National Forest Transportation System. Misc. Rep. FS-643. Washington, DC: U.S. Dept. of Agriculture Forest Service. 222 p.
- [USFS] USDA Forest Service. 2000. FS Roadless Area Conservation FEIS. Volume 1 (http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5057895.pdf), Volume 2 (http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/fsmrs_072294.pdf)
- [USFS] USDA Forest Service. 2008. Kaibab National Forest Ecological Sustainability Report. Version 1.01.
- [USFS] USDA Forest Service. 2010. Connecting People with America's Great Outdoors: A Framework for Sustainable Recreation. http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5346549.pdf
- [USFS] USDA Forest Service. 2011a. National report on sustainable forests – 2010. FS-979. US Department of Agriculture, Forest Service. Washington DC.
- [USFS] USDA Forest Service. 2011b. Watershed Condition Classification Technical Guide. FS-978. http://www.fs.fed.us/publications/watershed/watershed_classification_guide.pdf
- [USFS] USDA Forest Service. 2012. Groundwater-dependent ecosystems: Level 1 inventory field guide. GTR-WO-86a. Washington DC.
- [USFS NRIS] USDA Forest Service. 2013. Natural Resource Information System, internal agency database. (accessed March–April 2013).
- [USFS] USDA Forest Service. 2013. Regional Forester's Sensitive Species List. http://www.fs.usda.gov/detail/r3/plants-animals/?cid=FSBDEV3_022105 (accessed March 18, 2013).
- [USFS Budget Justification] USDA Forest Service. 2012. Fiscal Year 2012 Budget Justification. <http://www.fs.fed.us/aboutus/budget/2012/justification/FY2012-USDA-Forest-Service-budget-justification.pdf> (accessed June 7, 2013).

- [USFS Cibola] USDA Forest Service, Cibola National Forest. 1985. Cibola National Forest Land and Resource Management Plan (as amended).
- [USFS Cibola] USDA Forest Service, Cibola National Forest. 2002. Environmental Assessment, Cibola National Forest Amendment #10, Protection of Eligible Wild, Scenic or Recreational River Areas. 6 pp.
- [USFS Cibola] USDA Forest Service, Cibola National Forest. 2003. Cibola National Forest and National Grasslands Monitoring and Evaluation Report Fiscal Years 2000–2002.
- [USFS Cibola] USDA Forest Service, Cibola National Forest. 2005. Values, Attitudes and Beliefs Toward National Forest System lands: The Cibola National Forest.
- [USFS Cibola] USDA Forest Service, Cibola National Forest. 2006. Cibola National Forest 2005 Monitoring and Evaluation Report.
- [USFS Cibola] USDA Forest Service, Cibola National Forest. 2007. Cibola National Forest 2006 Monitoring and Evaluation Report.
- [USFS Cibola] USDA Forest Service, Cibola National Forest. 2010. Cibola National Forest and National Grasslands Fiscal Year 2009 Monitoring and Evaluation Report.
- [USFS Cibola] USDA Forest Service. 2012. Cibola National Forest and Grasslands Breeding Bird Survey data, unpublished.
- [USFS Cibola] USDA Forest Service, Cibola National Forest. 2013. Cibola National Forest 2012 Monitoring and Evaluation Report.
- [USFS Cibola IPM EA] USDA Forest Service, Cibola National Forest. 2010. Environmental Assessment for Integrated Pest Management of Noxious/Invasive Plants, Cibola National Forest: Catron, Cibola, Colfax, Harding, Lincoln, McKinley, Mora, Sandoval, Sierra, Socorro, Torrance, Union, and Valencia Counties in New Mexico. 193 pp.
- [USFS Cibola La Jara] USDA Forest Service, Cibola National Forest. 2012. Draft Environmental Impact Statement for the La Jara Mesa Mine Project. 220 pp.
http://a123.g.akamai.net/7/123/11558/abc123/forestservic.download.akamai.com/11558/www/nepa/50529_FSPLT2_119940.pdf
- [USFS Cibola Magdalena] USDA Forest Service, Cibola National Forest. 2012. New Mexico Institute of Mining and Technology Langmuir Lab/Magdalena Ridge Observatory. Magdalena Ranger District, Special Use Permit. On File.
- [USFS Cibola Roadless Inventory] USDA Forest Service, Cibola National Forest. 1997. Cibola Forest Plan Revision, Inventory and Evaluation of Roadless Areas. 37 pp.

- [USFS Cibola Roca Honda] USDA Forest Service, Cibola National Forest. 2013. Draft Environmental Impact Statement for Roca Honda Mine. 496 pp.
http://a123.g.akamai.net/7/123/11558/abc123/forestservic.download.akamai.com/11558/www/nepa/31880_FSPLT2_383483.pdf
- [USFS Cibola Sandia Man Cave] USDA Forest Service, Cibola National Forest. 2013. Sandia Ranger District, Special Places, Sandia Man Cave. <http://www.fs.usda.gov/attmain/cibola/specialplaces>
- [USFS I-Web] USDA Forest Service. 2013. Data from I-Web for FY2010–2012. (accessed and modeled with IMPLAN Professional 3.0 Software January, 2013).
- [USFS LAR] USDA Forest Service, Lands and Realty Management. 2012. Land Areas of the National Forest System. <http://www.fs.fed.us/land/staff/lar>
- [USFS NVUM] USDA Forest Service. 2013. National Visitor Use Monitoring Program.
<http://www.fs.fed.us/recreation/programs/nvum/>
- [USFS SRCCFPWG] USDA Forest Service, Southwestern Region Climate Change and Forest Planning Working Group. 2010. Southwestern Region Climate Change Trends and Forest Planning, A Guide for Addressing Climate Change in Forest plan revisions for Southwestern National forests and National Grasslands. 46 pp.
- [USFS SW Region] USDA Forest Service, Southwest Region. 1997a. Plant Associations of Arizona and New Mexico. Volume 1: Forest. Southwest Region Habitat Typing Guides. Albuquerque, NM.
- [USFS SW Region] USDA Forest Service, Southwest Region. 1997b. Plant Associations of Arizona and New Mexico.
- [USFS TESH] USDA Forest Service. 1986. Terrestrial Ecosystem Survey Handbook. Region 3. Albuquerque, New Mexico.
- [USFWS] U.S. Fish and Wildlife Service. 1996. National list of vascular plant species that occur in wetlands: 1996 national summary. US Fish and Wildlife Service, Washington DC, USA.
- [USFWS] U.S. Fish and Wildlife Service. 1997. A system for mapping riparian areas in the western United States. USFWS National Wetlands Inventory technical guide. St. Petersburg FL. 15 pp.
- [USFWS] US Fish and Wildlife Service. 2013. All listed and sensitive species in New Mexico.
http://www.fws.gov/southwest/es/NewMexico/SBC_view_all.cfm (accessed February 16, 2013).
- [USFWS and USCB] US Fish and Wildlife Service and U.S. Census Bureau. 2011. National Survey of Fishing, Hunting, and Wildlife-Associated Recreation, New Mexico. 70 pp.
- [USFWS Sevilleta] US Fish and Wildlife Service. 2013. Sevilleta National Wildlife Refuge.
<http://www.fws.gov/refuge/Sevilleta/>
- [USGS] U.S. Geological Survey. 2010. National Hydrology Dataset (NHD). <http://nhd.usgs.gov/data.html>

- [USGS] U.S. Geological Survey. 2011. Mineral Commodity Summaries. January 2011.
<http://minerals.usgs.gov/minerals/pubs/commodity/fluorspar/mcs-2011-fluor.pdf>
- Van Cleve, K. and Powers, R.F. 1995. Soil Carbon, Soil Formation, and Ecosystem Development. In: Carbon Forms and Functions in Forest Soils. Soil Science Society of America, Inc. Madison, Wisconsin. USA.
- Vegh, T., Huang, C., and Finkral, A. 2013. Carbon credit possibilities and economic implications of fuel reduction treatments. *Western Journal of Applied Forestry* 28: 57-65.
- Vierling, K.T., Saab, V.A., and Tobalske, B.W. 2013. Lewis's Woodpecker (*Melanerpes lewis*), The Birds of North America Online (A. Poole, ed.). Ithaca: Cornell Lab of Ornithology.
<http://bna.birds.cornell.edu/bna/species/284> (accessed January 11, 2015).
- Vincent, C.H. and Alexander, K. 2010. National Monuments and the Antiquities Act, Congressional Research Service. <http://www.fas.org/sgp/crs/misc/R41330.pdf>
- Wahlberg, M.M., Triepke, F.J., Robbie, W.A., Strenger, S.H., Vandendriesche, D., Muldavin, E.H., and Malusa, J.R. 2013a. Ecological Response Units of the Southwestern United States. USDA Forest Service forestry report (In draft). Southwestern Region, Regional Office, Albuquerque, NM.
- Wahlberg, M.M., Vandendriesche, D., Triepke, F.J., Robbie, W.A., and Smith, E.M. 2013b. Baseline carbon assessment for the Cibola National Forest. Aldridge, M. and Periman, R. (eds.).
- Watkins, B.E., Bishop, C.J., Bergman, E.J., Hale, B., Wakeling, B.F., Bronson, A., Carpenter, L.H., and Lutz, D.W. 2007. Habitat guidelines for mule deer: Colorado Plateau shrubland and forest ecoregion. Mule Deer Working Group, Western Association of Fish and Wildlife Agencies, Cheyenne, WY.
- [WBWG] Western Bat Working Group. 2005a. Species Account for Arizona Myotis.
http://www.wbwg.org/speciesinfo/species_accounts/vespertilionidae/myoc.pdf (accessed November 13, 2014).
- [WBWG] Western Bat Working Group. 2005b. Species Account for Townsend's Big-eared Bat.
http://www.wbwg.org/speciesinfo/species_accounts/vespertilionidae/coto.pdf (accessed November 13, 2014).
- Weber, D.J. 1982. The Mexican Frontier, 1821-1846. University of New Mexico Press, Albuquerque.
- Weber, D.J. 1999. Pueblos, Spaniards and History. In: What Caused the Pueblo Revolt, Weber, D.J. (ed.). Bedford/St. Martin's, Boston.
- Weisz, R., Triepke, F.J., and Truman, R. 2009. Evaluating the ecological sustainability of a ponderosa pine ecosystem on the Kaibab Plateau in northern Arizona. *Fire Ecology* 5(1):100-114.

- Weisz, R., Vandendriesche, D., Moeur, M., Boehning, M., Wadleigh, L., Triepke, F.J., White, M., Nelson, C., Palmer, J., Youtz, J., Higgins, B.J., Nicolet, T., Bostwick, P., Mindar D., Pitts, M., Manthei, M. and Robbie, W. 2011. Calibrating natural and anthropogenic events in state and transition models with FVS: A case study for ponderosa pine forest ecosystems. In: Draft Proceedings of the State and Transition Modeling Conference, June 2011, Portland, OR. USDA technical report on file. USFS Southwestern Region, Albuquerque, NM.
- White, C.M., Clum, N.J., Cade, T.J., and Hunt, W.G. 2002. Peregrine Falcon (*Falco peregrinus*), The Birds of North America Online (A. Poole, ed.). Ithaca: Cornell Lab of Ornithology. <http://bna.birds.cornell.edu/bna/species/660> (accessed January 11, 2015).
- Wilderness.net. 2013. <http://wilderness.net>
- Wills, W.H. 1995. Archaic Foraging and the Beginning of Food Production in the American Southwest. In: Last Hunters, First Farmers: New Perspectives on the Prehistoric Transition to Agriculture. Price, T.D., Gebauer, A.B. (eds.). pp. 215-242. School of American Research Press, Santa Fe.
- Winthers, E., Fallon, D., Haglund, J., DeMeo, T., Nowacki, G., Tart, D., Ferwerda, M., Robertson, G., Gallegos, A., Rorick, A., Cleland, D., and Robbie, W. 2005. Terrestrial ecological unit inventory technical guide: Landscape and land unit scales. USDA Forest Service General Technical Report WO-68. Washington Office, Washington DC. 245 pp.
- [WHO] World Health Organization. 2011. Air Quality and Health Fact Sheet No. 313: September 2011. <http://www.who.int/mediacentre/factsheets/fs313/en/index.html>
- [WRAP] Western Regional Air Partnership. 2012. Technical Support System. <http://vista.cira.colostate.edu/TSS/Results/Default.aspx>
- Yosef, R. 1996. Loggerhead Shrike (*Lanius ludovicianus*), The Birds of North America Online (A. Poole, ed.). Ithaca: Cornell Lab of Ornithology. <http://bna.birds.cornell.edu/bna/species/231> (accessed January 11, 2015).