



W. David Hacker, PhD

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Professional Certifications:

Certified Forester®
Certified Wildlife Biologist

Teaching Fields

Forest Management
Forest Game Management

Research Interests:

Big Game Management
Quantitative Forestry

Education:

PhD Stephen F. Austin State University – Forestry 1989
MS TAMU-Commerce – Botany 1985
BS Sul Ross State University – Wildlife Biology 1973

Professional Experience

August 1994 –	present:	Professor Natural Resources Management Department College of Arts and Sciences New Mexico Highlands University Las Vegas, New Mexico
May 2003 –	present:	Adjunct Professor Antioch University – New England Graduate School Keene, New Hampshire
June 2003 –	present:	Adjunct Professor Andrew Young School of Policy Studies Georgia State University Atlanta, Georgia
February 1993 –	August 1994:	Environmental Quality Specialist Environmental Affairs Division Texas Department of Transportation Austin, Texas

March 1990 –
January 1993: Research Scientist
Uplands Research Lab
USDI-National Park Service
Great Smoky Mountains National Park
Gatlinburg, Tennessee

January 1990 –
March 1990: Post-Doctoral Fellow
College of Forestry
Stephen F. Austin State University
Nacogdoches, Texas

June 1989 –
December 1989: Lecturer
College of Forestry
Stephen F. Austin State University
Nacogdoches, Texas

January 1986 –
June 1989: Graduate Teaching and Research Assistant
College of Forestry
Stephen F. Austin State University
Nacogdoches, Texas

January 1981 –
December 1984: Thesis Research
Department of Biological Sciences
Texas A&M University – Commerce
Commerce, Texas

Professional Affiliations

Sigma Xi, Scientific Research Society
Society of American Foresters
The Wildlife Society
Plains and Prairie Forestry Association
Texas Academy of Science
New Mexico Academy of Science
Rocky Mountain Elk Foundation
Mule Deer Foundation
Xi Sigma Pi Forestry Honor Society
Beta Beta Beta Biology Honor Society

Honors, Awards and Recognition

Who's Who Among America's Teachers 2004
USDA-HSI Fellow 2002
New Mexico Visiting Scientist 1996 - 2003
Fifth Annual Alternative Fuels Vehicles Symposium Excellence in Performance
Recognition 1994
NPS-AQD Outstanding Performance Award 1990, 1991, 1993
SFASU Post-Doctoral Fellow 1990
Xi Sigma Pi Forestry Honor Society 1987
SFASU Graduate Teaching and Research Assistantship 1986-1989
Beta Beta Beta Biology Honor Society 1972
Charter Member, *Epsilon Omega* Chapter

Recent Service

NM Governor's Judicial Nomination Commission 2006
NMFWD Director Search Committee Chair 2006
NMDG&F Habitat Stamp Advisory Council 2005 - present
NMHU Head Football Coach Search Committee 2005

NM-RMEF Statewide Leadership Council 2005-present

NMHU Dean of Arts & Sciences Search Committee 2005
Advisory Council for the Middle Rio Grande EMU 2004-present
NM State FFA Forestry Contest Judge 2004
NMHU Assistant Athletic Director Search Committee 2003
NMHU Head Football Search Committee Chair 2003
NMHU Women's Soccer Coach Search Committee Chair 2002
NMHU Faculty Athletic Committee 2002
NM RMEF Project Advisory Committee 2002-present
USDA-CSREES Grant Review Panel 2002, 2003, 2004, 2005
NMHU Geology Search Committee 2002
NMFD-NMHU Cooperative Agreement Coordinator 2001 – present
Las Vegas Technology Infrastructure Development Committee 2001 – 2002
NMHU Library Search Committee 2001
NMHU Faculty Affairs Committee 2000 – 2002
NMHU Enrollment Advisory Task Force 2000 – 2001
NMHU Natural Resources Management Department Chair 1999 – 2002
Las Vegas RMEF Committee Chair 1999 – 2003

Grant Received

USDA-Forest Service Articulation Grant (2006) - \$54,904
USF&WS Recruitment Grant (2003) - \$20,000
NSF-EPSCoR Land Management Grant (2001) - \$386,299
CETP Curriculum Development Grant (2000) - \$5,510
AMP American Pronghorn Research Grant (1999) - \$1,400
NMHU Faculty Research Grant (1998) - \$1,500
WAESO Peer Study Group Grant (1998) - \$1,200
EPA Environmental Justice Grant (1998) - \$137,250
USFS Bighorn Sheep Habitat Analysis Grant (1997) - \$4,700
NPS CCSP Grant (1997) - \$68,350
USF&WS Inventory Grant (1997) - \$8,400
NPS Land Reclamation Grant (1997) - \$6,200
WAESO Environmental Research Grant (1997) - \$2,700
NMHU Faculty Research Grant (1997) - \$1,500
SPMA Elk Research Grant (1996) - \$7,600
CIMD Elk Research Grant (1996) - \$5,500
AMP URA Elk Research Grant (1995) - \$1,200
NMHU Faculty Research Grant (1995) - \$1,000
CIMD Air Quality Research Grant (1995) - \$2,800
NMHU Faculty Research Grant (1994) - \$1,000
USFS Forest Decline Research Grant (1992) - \$2,000
TVA Forest Health Research Grant (1992) - \$5,000
NPS-AQD Air Quality/Forest Health Grant (1992) - \$75,000
SFASU McIntire-Stennis Grant (1990) - \$1,500
SFASU Doctoral Research Grant (1987) - \$24,000

Peer Reviewed Publications

Hacker, W. David, and Jennifer L. Grosso. 2006. Site Factors Affecting Pinyon-Juniper Occurrence in the Capulin Volcano Field. *Tex. J. Sci.* 6 pp. (*under review*)

Hathcock, Charles D., Timothy K. Haarmann, W. David Hacker, and Robyn W. Tierney. 2003. A Mexican Spotted Owl Habitat Model from the Jemez Mountains of Northern New Mexico. LANL Tech. Rep. LA-UR-03-6309. 80 pp.

Hacker, W. David, and Pamela M. Herrera. 2001. Elk and Mule Deer Use of Three in Cover Types in the Chama River Watershed. *New Mex. J. Sci.* 41:50-51.

Hacker, W. David, and John P. Olivas. 2000. Comparison of Two Census Methods for Mule Deer Populations. *New Mex. J. Sci.* 40:12-16.

- Hacker, W. David, Ben S. Nelson and Gary A. Darrington. 2000. Effects of Gophers on Vegetation Studies Using Exclosures. *New Mex. J. Sci.* 40:20-21.
- Neufeld, Howard S., E. Henry Lee, James R. Renfro and W. David Hacker. 2000. Seedling Insensitivity to Ozone for Three Conifer Species Native to Great Smoky Mountains National Park. *Environ. Pollu.* 108:141-151.
- Hacker, W. David, and Dustin H. Long. 2000. Effects of Elk Depredation on Aspen. *in proc.* 1999 Soc. Am. Foresters Conv. 00-1:530-531.
- Hacker, W. David, William G. Ross and David L. Kulhavy. 1999. Changes in Understory Vegetation in Red-Cockaded Woodpecker Nesting Clusters. *Tex. J. Sci.* 51:225-230.
- Hacker, W. David. 1998. Ground Nesting Birds in Las Vegas National Wildlife Refuge. USDI-F&WS Contr. Rep. 1448-20181-97-G912. 22 pp.
- Hacker, W. David. and M. Victor Bilan. 1997. Site Factors Affecting Growth of Slash Pine in the Texas Post Oak Belt. *South. J. Appl. For.* 21:71-74.
- Hacker, W. David, and M. Victor Bilan. 1995. Growth Models of Loblolly Pine from East Texas and Lost Pines Seed Sources Growing in the Post Oak Belt of Texas. *Tex. J. Sci.* 47:151-154.
- Neufeld, Howard S., E. Henry Lee, James R. Renfro, W. David Hacker and Ben-Hui Yu. 1995. Sensitivity of Black Cherry Seedlings (*Prunus serotina* Ehrh.) to Ozone in Great Smoky Mountains National Park. *New. Phytol.* 130:447-459.
- Hacker, W. David, William G. Ross and David L. Kulhavy. 1994. Growth Models of Loblolly and Shortleaf Pine Red-Cockaded Woodpecker Nesting Trees. *Tex. J. Sci.* 46:187-189.
- Hacker W. David. 1993. Air Pollution Acronyms. TxDOT Tech. Rep. 74 pp.
- Neufeld, Howard S., James R. Renfro, Songqiao Huang, W. David Hacker, Deborah Mangis, Arthur R. Chappelka, William E. Hogsett, Andrew A. Herstrom, John A. Laurence, E. Henry Lee, James E. Weber, and David T. Tingey. 1993. Assessment of Ozone Effects on Plants Native to the Southeastern United States. *in proc.* International Assoc. of Botanical Gardens. 20 pp.
- Hacker, W. David, and M. Victor Bilan. 1992. Site Factors Affecting Growth of Loblolly Pine in the Post Oak Belt. *South. J. Appl. For.* 16:197-200.
- Hacker, W. David, and Howard S. Neufeld. 1992. The False Positive in Bioindicators of Air Pollution. *J. Arboric.* 18:249-251.
- Cahall III, Robert R., David L. Kulhavy, William G. Ross, W. David Tracey, and W. David Hacker. 1992. Forest Pest Management of Typic Quartzipsamments: A Management Dilemma. *in proc.* Seventh Biennial South. Silvicultural Conf. J. C. Brissette ed. 541-546.
- Hacker, W. David. 1992. High Elevation Forest Decline: Growth Rate, Crown Condition, Mortality Rates, Elemental Analysis, Analysis of Growth Rings, Physiological Responses, Vulnerability to Insect Infestations, Soil Effects, Nutrient Cycling, Cation Availability, and Stand Dynamics. *in proc.* SAMAB Forum on Air Quality Management for Class I Areas in the Southern Appalachians. J. D. Peine ed. I:7-21. (*Invited paper*)
- Hacker, W. David, and James R. Renfro. 1992. Great Smoky Mountains Plants Studied for Ozone Sensitivity. *Park Sci.* 12:6-7.

Neufeld, Howard S., James R. Renfro, W. David Hacker and David Silsbee. 1991. Ozone in Great Smoky Mountains National Park: Dynamics and Effects on Plants. *in proc.* Trophospheric Ozone and the Environment II. R. L. Berglund ed. A.W.M.A. 594-617.

Hacker, W. David, and M. Victor Bilan. 1991. Site Index Curves for Loblolly and Slash Pine Growing in the Post Oak Belt of East Texas. *South. J. Appl. For.* 15:97-100.

Wilson, R. E., and David Hacker. 1986. The Sanders Cove Pines: Analysis of a *Pinus echinata* – *Quercus alba* Community in Northern Lamar County, Texas. *Tex. J. Sci.* 38:183-190.

Theses Supervised

Collins, Thomas R. 2005. Comparison of Diversity of Resident Ground Nesting Birds at Las Vegas National Wildlife Refuge, New Mexico. New Mexico Highlands University. 53 pp.

Nathanson, Christine. 2004. Diversity of Large and Small Mammals after the Cerro Grande Fire. New Mexico Highlands University. 117 pp

Hathcock, Charles D. 2003. A Mexican Spotted Owl Habitat Model from the Jemez Mountains of Northern New Mexico. New Mexico Highlands University. 88 pp

Herrera, Pamela M. 2000. Elk/Livestock Interaction on Available Forage in Chama, New Mexico. New Mexico Highlands University. 36 pp

Grosso, Jennifer. 2000. Edaphic Factors Affecting Pinyon-Juniper Seedling Encroachment into Riparian Zone Vegas. New Mexico Highlands University. 44 pp

Olivas, John P. 1999. Pellet-Group and Spotlight Censusing for Mule Deer in Capulin Volcano National Monument. New Mexico Highlands University. 39 pp

Lithgow, Loreen F. 1998. The Effects of Simulated Elk Trampling on Soil Erosion in Bandelier National Monument. New Mexico Highlands University. 71 pp

Long, Dustin H. 1998. The Effects of Elk on Aspen in Bandelier National Monument: A Baseline Study. New Mexico Highlands University. 97 pp

Hewes, Anne K. 1996. Environmental Policy, Acid Deposition and Snow Surveys in Northern New Mexico. New Mexico Highlands University. 298 pp