

**TERRELL T. "RED" BAKER**  
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**OFFICE**

106 TP Cooper  
Department of Forestry  
University of Kentucky  
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**EDUCATION**

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<b>Ph.D.</b>	Forest Biology	<b>Auburn University</b>	December, 1998
<b>M.S.</b>	Forest Resources	<b>Clemson University</b>	December, 1994
<b>B.A.</b>	Economics	<b>University of the South</b>	May, 1989

**CURRENT EMPLOYMENT**

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**University of Kentucky, College of Agriculture, Food and Environment (CAFE)**

2010-present      *Chairman and James Graham Brown Endowed Professor of Forestry*, Department of Forestry, College of Agriculture, Food and Environment (reappointed to 2<sup>nd</sup> six-year term July 2016)

**Responsibilities/Accomplishments**

***Administrative:***

- Administratively responsible for Land Grant University Forestry Department including Cooperative Extension, Research, and Instruction missions with total budget exceeding \$2.5 million (~11% increase since 2010). Grants and contracts exceeded \$2.1 million in 2015; includes 19% increase in federally competitive funds since 2010.
- Supervise 14 full-time faculty and 10 professional staff, not including 7 indirect staff reports, in fields of forestry, wildlife, ecology, hydrology, and related natural resource disciplines.
- Undergraduate Forestry and NRES majors' enrollment ~40% greater during 2010-2015 as compared to 2003-2009. Record graduate enrollment of 29 students in 2016 (20 MS and 9 Ph.D.). SCH production increased 19% during 2010-2016.
- Currently co-teach FOR 285 (1 cr) and FOR 286 (1 cr), Communication and Professionalism in Forestry and Natural Resources I and II and FOR 310 (1 cr), Forest Health and Protection.
- Co-founded Forest Health Research and Education Center at UK; joint effort between UK, KY Division of Forestry, and USDA Forest Service Southern Research Station.
- Led effort to develop Wildlife Forester undergraduate track and Wildlife minor.
- Developed UK FireCats, first student wildland firefighting team in Kentucky.
- Helped lead effort to revise Forestry undergraduate curriculum (2015-2016) to permit focus on professional concentrations.
- Expanded undergraduate forestry internship and career placement program.
- Led 2 Department of Forestry Program Reviews (2011, 2016).
- Led effort to produce annual KY Forestry Economic Impact Report.
- Co-leading effort to establish first Ph.D. program in Natural Resources in KY.
- Co-leading effort to establish USGS Cooperative Research Unit at UK.
- Leading effort to construct new interdisciplinary Natural Resources and Forestry building for UK CAFE.

- Led effort to establish permanent recurring allocation of operational resources to 15,000-acre Robinson Forest from university endowment.
- Led effort to change department and graduate degree names to better reflect range of disciplines in department.
- Department gift account balance grew from ~\$50,000 in 2010 to ~\$450,000 in 2016.

## **PREVIOUS EMPLOYMENT**

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### **New Mexico State University, College of Agricultural, Consumer, and Environmental Sciences**

2009-2010	<i>Coordinator</i> , Range Improvement Task Force (RITF)
2007-2009	<i>Interim Coordinator</i> , RITF
2006-2007	<i>Professor, Riparian Management Specialist</i> , Extension Animal Science & Natural Resources Dept., 60% Cooperative Extension Service (CES), 40% Agricultural Experiment Station (AES)
2004-2006	<i>Associate Professor, Riparian Specialist</i>
1998-2004	<i>Assistant Professor, Riparian Specialist</i>

### **Responsibilities/Accomplishments**

#### *Administrative:*

- Coordinator of Range Improvement Task Force, a 30-year old inter-disciplinary applied research and extension team comprised of 8 faculty members (and up to 45 staff) from three CES and AES departments.
- Responsible for vision, leadership, and management of partial faculty appointments including nearly \$680,000 annual hard-dollar budget, not including grants and contracts totaling over \$600,000 annually.
- Worked closely with agricultural industry, state and federal agency directors, county commissioners, state legislators, and NM Congressional Delegation to bring timely and relevant expertise to natural resource conflicts throughout state.
- Responsibilities required detailed knowledge of public policy, public land history and law, and state and federal land management agency policies and regulations.
- Occasional service as Acting Department Head for Extension Animal Sciences and Natural Resources Department.

#### *Extension:*

- Developed first *Riparian Ecology and Management Program* for CES in NM.
- Program focused on teaching fundamentals of riparian ecology and management strategies to improve watershed, riparian, and stream function while maintaining economic integrity of management units (livestock, forestry, wildlife).
- Worked closely with county agents, state and federal agencies, industry groups, conservation organizations, and elected officials at all levels.
- Developed first *Forest Ecology and Management Program* for CES in NM.
- Provided educational services to state and federal forest management entities to develop strategies for restoring southwestern forest structure, reduce wildfire potential, improve understory production, improve watershed hydrological processes, and improve wildlife habitat.
- Extension programs and research activities were multi-disciplinary, integrated and complementary.

- Worked closely with elected officials, other universities, and state agency personnel to bolster Extension capability in forest management arena. Ultimately led to creation of Fire Specialist position in NMSU CES.

**Research:**

- Riparian research focused on vegetation dynamics in riparian habitat, livestock effects and livestock/wildlife interactions on functional processes within southwestern riparian areas, and management strategies to sustainably graze southwestern riparian systems.
- Selected projects included: meadow forage utilization in Gila National Forest, livestock grazing effects on montane riparian streams, rangeland response to application of dairy manure, riparian vegetation ID guide, supplementation strategies to manage riparian shrubs, and browsing effects on selected riparian shrubs.
- Cooperated closely with County CES Faculty and agricultural producers to identify research needs, develop relevant applied research, and collaboratively conduct research.
- Forestry-related research focused on ecology and management in southwestern National Forests, silvicultural treatments to reduce wildfire potential and improve forest understory production and watershed processes, and mechanical harvesting effects on forest soils, runoff, and erosion.
- Selected specific projects included: wildland fire response to silvicultural treatments in southwestern forests, silvicultural treatment effectiveness in reducing wildland fire danger at the Wildland-Urban Interface, effects of silvicultural treatments on ungulate foraging relationships, soil disturbance from mechanical harvesting and effects on runoff and erosion, and multiple combined silvicultural treatments to reduce wildland fire danger and improve forest condition.
- Cooperators included state and federal agencies, producer groups, County Extension faculty and on-campus faculty.
- Worked closely with Rocky Mountain Research Station (Flagstaff, Arizona) through JVA.
- Worked closely with agency personnel to conduct necessary NEPA, install research treatments, and transfer knowledge to be put into practice.

**Courses:**

Range Science 550 (Masters Special Topics), Range Science 650 (Ph.D. Special Topics), Range Science 599 (Masters Thesis), Range Science 600 (Doctoral Research), Range Science 700 (Doctoral Dissertation). Annual Riparian Ecology and Management Field Laboratory for Range Science 440. Annual 2-day Introduction to Southwestern Natural Resources Ecology and Management lab for Philmont Scout Ranch Summer Staff. Courses taught as needed, guest lectures/labs frequently delivered upon request.

**PREVIOUS RELATED POSITIONS**

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- 1994-1998     **Graduate Research Assistant**, School of Forestry, Auburn University  
Advisor:     Dr. B. Graeme Lockaby  
Dissertation: *Fine root dynamics on a forested floodplain and litter decomposition in four forested floodplain communities in the southern United States.*
- Designed and executed regional floodplain decomposition and fine root study
  - Assisted with other floodplain field research throughout southeastern US
  - Member of field research team in Tapajos National Forest in the Brazilian Amazon
  - Developed graduate seminar and served as part-time teaching assistant

- 1992-1994     **Research Assistant**, Department of Forest Resources, Clemson University  
Advisor:        Dr. David Van Lear  
Thesis:         *The influence of Rhododendron maximum on species richness in the riparian ecosystem of Wine Spring Creek.*
- Acquired funding through Coweeta Hydrological Lab for Masters research
  - Designed and executed southern Appalachian riparian study examining *Rhododendron maximum* effects on riparian vegetation
  - Provided field support for numerous other studies
- 1991-1992     **Programs Manager**, National Wilderness Institute, Washington, DC
- Developed community, corporate, and membership programs for nonprofit think tank.
  - Drafted fundraising, project proposals, wrote column for quarterly magazine (*NWI Resource*), and drafted speeches.
  - Supervised general office management, membership database, internship programs, and assisted with government relations on Capitol Hill.
- 1990            **Volunteer**, The Georgia Chapter of The Nature Conservancy
- Hiked entire 2,162 miles of Appalachian Trail
  - Raised approximately \$6,000 for TNC Georgia Chapter

#### **SUMMARY OF SCHOLARLY ACTIVITIES**

- Principal Investigator/Co-PI on grants or contracts totaling approx. \$5.1 million from state, federal, county, university, and private sources.
- Author/co-author on 30 peer-reviewed publications.
- Author/co-author on 11 Range Improvement Task Force/Agricultural Experiment Station Reports.
- Author/co-author on 45 Extension, outreach publications, or expert testimony.
- Author/co-author on 74 papers, presentations, abstracts, and posters at professional conferences.
- Author/co-author on 31 popular press articles (newspaper, magazine, TV/Radio, press releases).
- Presenter/co-presenter to local groups/organizations or requested to provide expert testimony on more than 600 occasions.
- Service on 35 graduate committees (23 M.S. and 12 Ph.D.) – Chaired 5 M.S. and 3 Ph.D.

#### ***Honors:***

Teacher Who Made a Difference (2014)  
James Graham Brown Endowed Professor (2010-present)  
NM Extension Specialists' Association Distinguished Service Award (2008)  
NM Section SRM Rangeland Manager of the Year (2006)  
NMSU CAHE Extension Early Career Award, Epsilon Sigma Phi, (2005)  
Academic Keys Who's Who in Agricultural Higher Education (2003)  
Gamma Sigma Delta, Honor Society of Agriculture (2000)  
USDA Certificate of Appreciation, Iatt Creek Ecosystem Research Project (2000)  
Xi Sigma Pi, Forestry Honor Society (1993)  
Order of Gownsmen, University of the South Academic Honor Society (1989)

## **SELECTED SERVICE**

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### **National**

National Association of University Forest Resource Programs (NAUFRP) (2011-present)  
Chair, 2016 McIntire-Stennis Strategic Planning Committee (2015-present)  
Chair, Research Committee (2015-present)  
Member, Extension Committee (2012-present)  
Member, Executive Committee (2011-present)  
Chair, Southern Region (2011-2014)  
Chair, Society of American Foresters Reaccreditation Visiting Team University of Maine School of Forest Resources (2013)  
Member, University of Tennessee Forestry, Wildlife and Fisheries Periodic Review (2013)  
Member, USDA Forest Service Research and Development Diversity and Inclusiveness Ad Hoc Committee (2012)  
Society for Range Management (1998-2010)  
Advisory Council (2008-2010)  
Watershed and Riparian Committee (2001-2010)  
NM Section President (2009)  
Other Professional Organization Affiliations: Society of American Foresters (1992-present), New Mexico Riparian Council (1998 - 2001), New Mexico Watershed Coalition (1999-2000), New Mexico Extension Specialists Association (1998 - 2010), Ecological Society of America (1997 - 1999), Society of Wetland Scientists (1997 - 1999)  
Journal Reviewer: *Rangeland Ecology and Management, Southeastern Naturalist, Journal of American Water Resources Association, Plant and Soil, Biotropica, Journal of Environmental Quality, Soil Science Society of America Journal, Journal of Range Management, Hydrobiologia, Soil Science Society of America Journal*

### **State**

Member, Kentucky Forest Industries Association Strategic Planning Committee (2011)  
Ex-Officio Member, Kentucky Woodland Owners' Association Board of Directors (2010-present)  
Ex-Officio Member, Kentucky Farm Bureau Forestry Committee (2011-present)  
New Mexico Natural Resource Agency Executive Directors' Committee (2009-2010)  
4-H Wildlife Habitat Evaluation Program State Planning Committee (2002, 2009)  
New Mexico Section of the Society of Range Management (1998-2010)  
President (2009)  
Board of Directors (2006-2008)  
Chair, Youth Activities Committee; Co-Founder, High School Youth Forum (2000-2006)  
Board of Directors, NM Forest and Watershed Restoration Inst. at NM Highlands Univ. (2007-2010)  
Advisory Board, NM Forest and Watershed Coordinating Group, NM State Forestry (2007-2010)  
Member, New Mexico State Technical Committee (1998-2008)  
Technical Reviewer: *NM Water Resources Research Institute, NRCS Geographical Priority Area Proposals, NMSU Agricultural Experiment Station, Middle Rio Grande Endangered Species Collaborative Research Program.*

### **University/College**

Member, UK CAFÉ Director of Philanthropy Search Committee (2016)  
Member, UK CAFE Distribution of Effort Ad Hoc Committee (2016)  
Member, CAFE Strategic Planning Committee Facilities Action Team (2015-2016)  
Chair, Department of Animal and Food Sciences Department Chair Search Committee (2014)  
Member, UK IRPE Program Review Redesign Committee (2011)  
Chair, COA Agricultural Economics Program Review (2010-2011)

Faculty Senator (2007-2008)

University Affairs Committee

Cooperative Extension Service Director's Advisory Board (2005-2006, 2007-2010)

Chair, NMSU College of Agriculture & Home Economics All College Conference (2003)

Chair, Joe Skeen Institute for Rangeland Restoration Conference (2006)

NMSU Extension Specialists' Association

President – (2005-2006)

Treasurer – (1998-2000)

NMSU Performance Evaluation Review Committee (2005-2006)

Chair, NMSU College of Agricultural, Consumer, & Environmental Sciences All College Conference Planning Committee 2003, Co-Chair 2002.

New Employee Orientation and Coaching Program (2000-2010)

NMSU CAHE Ad Hoc Publications Committee (2001-2002)

Instructor, New Mexico 4-H Sportfishing Program (2000-2001)

Instructor, New Mexico Shooting Sports (Archery) (2000-2003)

NM Ag in the Classroom Organizing Committee (2000)

NMSU Animal & Range Science Department Graduate Faculty Committee (2001-2010)

Advisor, NMSU Animal and Range Sciences Department Range Club (1999-2002)

Student Senator, Auburn University Graduate Student Organization (1995-1997)

Auburn Univ. School of Forestry Strategic Planning Committee (1995-1997)

Auburn Univ. School of Forestry Graduate Policy & Procedures Committee (1995-1997)

Search Committees:

1. Chair, RITF Non-Tenure Track, College-Rank Extension Spec. for Forest & Fire-Adapted Systems (2009)
2. Chair, Research Specialist I, RITF (2009)
3. Chair, Southwest District Cooperative Extension Service Department Head (2004)
4. Gerald Thomas Distinguished Chair (2004)
5. Chair, Research Specialist I, RITF and Ext. Animal Resources Department (2003)
6. Chair, Research Specialist I, RITF and Ext. Animal Resources Department (2002)
7. Chair, Research Specialist I, RITF and Ext. Animal Resources Department (2001)
8. NMSU Agricultural Communications Editor (2001)
9. Assistant Professor of Watershed Studies (2000-2001)
10. Extension Natural Resource Specialist (2000)

**Local/Community**

Volunteer, Lafayette High School Girls' Soccer (2014-present)

Board of Directors, Tombaugh Elementary School Afterschool Program (2007-2009)

Head Coach, Vipers U8-U10 Las Cruces, NM Soccer Team (2006-2010)

Treasurer, Auburn, AL Chapter Ducks Unlimited (1997-1998)

**PEER-REVIEWED PUBLICATIONS**

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❖ 30 total

- 1) Cram, D., T.T. Baker, C. Edminster, A. Fernald, A. Cibils, and D. VanLeeuwen. Vegetation patterns in a dry mixed conifer forest in south central New Mexico - north and south aspects 50+ years following timber harvest (*In preparation*).
- 2) Cram, D. and T.T. Baker. Piñon-juniper management regulations and practices in New Mexico: a review of potential economic and ecological effects (*in review*).

- 3) Ashcroft, N. and T.T. Baker. 2016. The effects of thinning trees and scattering slash on runoff and sediment yield within dense pinon-juniper woodlands in New Mexico, USA. *Journal of Soil and Water Conservation* (*in review*).
- 4) Cram, D., T.T. Baker, A. Fernald, A. Cibils, and D. VanLeeuwen. 2015. Fuel and vegetation trends after fire in treated versus untreated forests. *Forest Science* 61:753–762.
- 5) Fernald, A.G., J. Gallegos, T.T. Baker, and D. VanLeeuwen. 2012. Evaluation of litter hydrology in ponderosa pine and mixed conifer stands of northern New Mexico. *New Mexico Journal of Science*: 46:121-136.
- 6) Smallidge, S.T., T.T. Baker, D.M. VanLeeuwen, W.R. Gould, and B.T. Thompson. 2010. Elk distribution relative to spring vegetation greenness values. *International Journal of Ecology* 2010: 10p (online: ID579808).
- 7) Lujan, A., S.A. Utsumi, S.T. Smallidge, T.T. Baker, , R.E. Estell, A.F. Cibils, and S.L. Ivey. 2010. Manipulating sheep browsing levels on coyote willow (*Salix exigua* Nutt.) with supplements. *Sheep and Goat Research Journal* 25:32-38.
- 8) Utsumi, S.A., A.F. Cibils, R.E. Estell, T.T. Baker, and J.H. Walker. 2010. One-seed juniper sapling use by goats in relation to stocking density and mixed grazing with sheep. *Rangeland Ecology and Management* 63(3)273-286.
- 9) Mason, G.J., T.T. Baker, D.S. Cram, J.C. Boren, A.G. Fernald, and D.M. VanLeeuwen. 2009. Mechanical fuel treatment effects on vegetation in a New Mexico dry mixed conifer forest. *Forest Ecology and Management* 257(3):868-875.
- 10) Helmus, A.M., A.G. Fernald, D.M. VanLeeuwen, L.B. Abbott, A.L. Ulery, and T.T. Baker. 2009. Surface water seepage effects on shallow ground-water quality along the Rio Grande in northern New Mexico. *Journal of American Water Resources Association* 45(2):407-418.
- 11) Cabrera, V.E., L.J. Stavast, T.T. Baker, M.K. Wood, D.S. Cram, R.P. Flynn, and A.L. Ulery. 2009. Soil and runoff response to dairy manure application on New Mexico rangeland. *Agriculture, Ecosystems, Environment* 131(3-4) pp 255-262.
- 12) Lucas, R.W., T.T. Baker, M. K. Wood, C.D. Allison, and D.M. VanLeeuwen. 2009. Response of streambanks to different intensities and seasons of cattle grazing in two montane riparian areas in western New Mexico. *NM Water Resources Research Institute Miscellaneous Report No. M29*.
- 13) Wampler, C.R., J.K. Frey, D.M. VanLeeuwen, J.C. Boren, and T.T. Baker. 2008. Mammals in mechanically thinned and non-thinned mixed-coniferous forest in the Sacramento Mountains, New Mexico. *The Southwestern Naturalist* 53(4):431-443.
- 14) Cabrera, V.E., C.P. Mathis, R.E. Kirksey, and T.T. Baker. 2008. Case Study: Development of New Mexico Dairy Manure, a Seasonal Prediction Model for Manure Excretion by Dairy Cattle. *Professional Animal Scientist* 24:175-183.

- 15) Mason, G.J., T.T. Baker, D.S. Cram, J.C. Boren, A.G. Fernald, and D.M. VanLeeuwen. 2007. Mechanical fuel treatment effects on fuel loads and indices of crown fire potential in a south central New Mexico dry mixed conifer forest. *Forest Ecology and Management* 251(3):195-204.
- 16) Ortiz, M., C. Brown, A.G. Fernald, T.T. Baker, R. Creel, and S. Guldan. 2007. Land Use Change Impacts on *Acequia* Water Resources in Northern New Mexico. *Journal of Contemporary Water Research and Education* (137):47-54.
- 17) Fernald, A.G., T.T. Baker, and S. Guldan. 2007. Hydrologic, Riparian, and Agroecosystem Functions of Traditional *Acequia* Irrigation Systems. *Journal of Sustainable Agriculture* 30(2):147-171.
- 18) Allison, C.D., J.L. Holechek, T.T. Baker, J.C. Boren, N.K. Ashcroft, and J.M. Fowler. 2007. Rapid assessment methodology for proactive rangeland management. *Rangelands* 29(2):45-50.
- 19) Cram, D.S., T.T. Baker, A.G. Fernald, C.D. Allison, A. Madrid, and R. Rummer. 2007. Mechanical thinning impacts on runoff, infiltration, and sediment yield following fuel reduction treatments in a southwestern dry mixed-conifer forest. *Journal of Soil and Water Conservation* 62(5):359-366.
- 20) Cram, D.S., T.T. Baker, A.G. Fernald, C.D. Allison, A. Madrid, and R. Rummer. 2007. Reducing the impacts of mechanical thinning in a southwestern forest. Technical Transfer Briefing, *Journal of Soil and Water Conservation* 62(5):121A.
- 21) Madrid, A., A.G. Fernald, T.T. Baker, and D.M. VanLeeuwen. 2006. Evaluation of silvicultural treatment effects on infiltration, runoff, sediment yield, and soil moisture in a mixed conifer New Mexico forest. *Journal of Soil and Water Conservation* 61(3):159-168.
- 22) Cram, D.S., T.T. Baker, and J.C. Boren. 2006. Wildland Fire Effects in Silviculturally Treated vs. Untreated Forest Stands of New Mexico and Arizona. *USDA Forest Service Rocky Mountain Research Station Research Paper* RMRS-RP-55.
- 23) Holechek, J.L., T.T. Baker, J.C. Boren, and D. Galt. 2006. Grazing impacts on rangeland vegetation: What we have learned. *Rangelands* 28(1):7-13.
- 24) Stavast, L.J., T.T. Baker, A.L. Ulery, R.P. Flynn, M.K. Wood, and D.S. Cram. 2005. New Mexico blue grama rangeland response to dairy manure application. *Rangeland Ecology and Management* 58:423-429.
- 25) Lucas, R.W., T.T. Baker, M.K. Wood, C.D. Allison, and D.M. VanLeeuwen. 2004. Riparian vegetation response to different intensities and seasons of cattle grazing in western New Mexico. *Journal of Range Management* 57:466-474.
- 26) Boren, J.C., T.T. Baker, D. Cowley, B.J. Hurd, S. Eaton, and G.J. Mason. 2004. Terrestrial vegetation inventory of water delivery systems between San Acacia Diversion and the Bosque del Apache National Wildlife Refuge. *New Mexico Water Resources Research Institute Technical Completion Report* 333.

- 27) Baker, T.T., B.G. Lockaby, W.H. Conner, C.E. Meier, J.A. Stanturf, and M.K. Burke. 2001. Leaf litter decomposition and nutrient dynamics in four southern forested floodplain communities. *Soil Science Society of America Journal* 65(4):1334-1347.
- 28) Baker, T.T., W.H. Conner, B.G. Lockaby, J.A. Stanturf, and M.K. Burke. 2001. Fine root productivity and dynamics on a forested floodplain in South Carolina. *Soil Science Society of America Journal* 65(2): 545-556.
- 29) Baker, T.T. and D.H. Van Lear. 1998. Relations between density of Rhododendron thickets and diversity of riparian forests. *Forest Ecology and Management* 109: 21-32.
- 30) Lockaby, B.G., R.G. Clawson, and T.T. Baker. 1997. Response of three hardwood species to irrigation and fertilization on an upland site. *Southern Journal of Applied Forestry* 21(3): 123-129.

**TECHNICAL & AGRICULTURAL EXPERIMENT STATION REPORTS (peer-reviewed)**

❖ 11 total

- 1) Smallidge, S.T., Heather J. Halbritter, Terrell T. Baker, Nicholas K. Ashcroft, Doug S. Cram, and John M. Fowler 2015. RITF Report 82, "Elk and Livestock in New Mexico: Issues and Conflicts on Private and Public Lands" [http://aces.nmsu.edu/pubs/\\_ritf/RITF82.pdf](http://aces.nmsu.edu/pubs/_ritf/RITF82.pdf)
- 2) Ashcroft, N.K., C.P. Mathis, S.T. Smallidge, J.M. Fowler, and T.T. Baker. 2010. Re-establishment of the Mexican grey wolf: the economics of depredation. *Range Improvement Task Force Report* 80. New Mexico State University. Las Cruces, NM.
- 3) Gomez, J., S.T. Smallidge, N.K. Ashcroft, and T.T. Baker. 2008. Data entry, organization, and analysis for Rapid Assessment Methodology. New Mexico State University *Range Improvement Task Force Report* 76.
- 4) Cabrera, V.E., C.P. Mathis, R.E. Kirksey, and T.T. Baker. 2007. NM-Manure, a Seasonal Prediction Model for Manure Excretion by Dairy Cattle. New Mexico State University *Agricultural Experiment Station Research Bulletin* 797.
- 5) Boren, J.C. and T.T. Baker. 2007. Challenges and opportunities for developing prescribed grazing guidelines to enhance habitat for endangered species in the Southwest. Pages 47-59 *In Proceedings of the Symposium presented at the 59<sup>th</sup> Annual Society for Range Management Meeting, Vancouver, BC. Montana State University Press.*
- 6) Baker, T.T. and J.C. Boren. 2007. Livestock grazing prescriptions to enhance riparian wildlife habitat? Pages 30-46 *In Proceedings of the Symposium presented at the 59<sup>th</sup> Annual Society for Range Management Meeting, Vancouver, BC. Montana State University Press.*
- 7) Allison, C.D., J. Holechek, J.C. Boren, T.T. Baker, J.M. Fowler, and N.K. Ashcroft. 2004. RAM: Rapid Assessment Methodology for Assessing Range Condition. New Mexico State University Cooperative Extension Service *Range Improvement Task Force Report* 58.
- 8) Holechek, J., T.T. Baker, and J.C. Boren. 2004. Controlled Grazing Versus Grazing Exclusion Impacts on Rangeland Ecosystems: What We Have Learned. New Mexico State University *Range Improvement Task Force Report* 57.

- 9) Allison, C.A., T.T. Baker, J.C. Boren, B.D. Wright, and A.G. Fernald. 2001. Range, riparian, water quality, and wildlife monitoring for New Mexico ranchers. New Mexico State University Cooperative Extension Service *Range Improvement Task Force* Report 53.
- 10) Baker, T.T. and J.C. Boren. 2000. Livestock management in southwestern riparian areas dominated by woody vegetation: A summary and extrapolation of the literature. New Mexico State University Cooperative Extension Service *Range Improvement Task Force* Report 50.
- 11) Allison, C.A., J.C. Boren, and T.T. Baker. 2000. Herbaceous utilization by elk in selected mountain meadows in the Gila National Forest. New Mexico State University Cooperative Extension Service, *Range Improvement Task Force* Report 49.

**PROFESSIONAL ORGANIZATION CONFERENCE PRESENTATIONS, ABSTRACTS, AND PROCEEDINGS**

❖ 77 total

- 1) Cram, D. and T.T. Baker. 2015. Using broadcast fire to manage mixed conifer forests. 6th International Fire Ecology & Management Congress: Advancing Ecology in Fire Management. November 16-20, 2015. San Antonio, Texas, USA. (Poster)
- 2) Cram, D., T.T. Baker, A. Fernald, A. Cibils, and D. VanLeeuwen. 2015. Longitudinal Response of Fuel and Vegetation Following Fire in Treated vs. Untreated Forests. SAF National Convention, Baton Rouge, LA, November 3–7, 2015. (Poster)
- 3) Cram, D., T.T. Baker, G. Mason, and R. Lucas. 2015. Ax, Match, Cow – Aldo Leopold’s Natural Resource Management Tools. New Mexico State University Research Council’s 15<sup>th</sup> Annual Research and Creative Activities Fair – All About Discovery, Las Cruces Convention Center, October 2, 2015. (Poster)
- 4) Cram, D. and T.T. Baker. 2012. Using prescribed fire to manage mixed conifer structure and composition. Southwest Fire Ecology Conference. Santa Fe, NM March 1, 2012.
- 5) Cram, D. and T.T. Baker. 2011. Structure and composition of a dry mixed-conifer forest in New Mexico. Society of American Foresters Annual Meeting. Honolulu, HI November 2–5, 2011.
- 6) Cram, D. and T.T. Baker. 2010. Pinyon-juniper management regulations and practices in New Mexico. Society of American Foresters Annual Meeting. Albuquerque, NM October 27–31, 2010.
- 7) Thorpe, J., A.F. Cibils, D. Bailey, and T.T. Baker, Organizers. 2009. Tales of tradition and innovation on the NM Range: Producers’ Forum. Symposium of Society for Range Management 62<sup>nd</sup> Annual Meeting. Albuquerque, NM. February 11, 2009.
- 8) Cram, D., T.T. Baker, and C.B. Edminster. 2009. Treated vs. Untreated southwest forest response following wildland fire. Society for Range Management 62<sup>nd</sup> Annual Meeting. Albuquerque, NM. February 8-12, 2009.
- 9) Cram, D., T.T. Baker, and C. Edminster. 2009. Treated vs. untreated understory forest response following wildland fire in the southwest: implications for range managers. Society for Range Management National Convention, Albuquerque, NM. February 9, 2009.

- 10) Cram, D.S., T.T. Baker, and C.B. Edminster. 2009. Treated vs. Untreated southwest forest response following wildland fire. Tall Timbers Research Station 24<sup>th</sup> Fire Ecology Conference: Future of Prescribed Fire, Public Awareness, Health, and Safety. Tallahassee, Florida. January 11-15, 2009.
- 11) Baker, T.T. Organizer. 2009. Meeting Energy Challenges for the New Century: Implications for Range Management. New Mexico Section Society for Range Management Annual Winter Meeting. Albuquerque, NM. January 8-9, 2009.
- 12) Baker, T.T. Organizer. 2008. Philmont Scout Ranch. Managing rangelands, livestock, and boy scouts since 1938. New Mexico Section Society for Range Management Summer Tour. Cimarron, NM. July 24-25, 2008.
- 13) Baker, T.T., C.P. Mathis, J.C. Boren, S.T. Smallidge, G. Hawkes, A.G. Fernald, C.D. Allison, and J.M. Fowler. 2008. New Mexico Range Improvement Task Force: An Integrated Team. *J. Anim. Sci.* 86 (Suppl. 2): Laramie, WY. June 23-27, 2008.
- 14) Cram, D.S., T.T. Baker, and G.J. Mason. 2008. Evaluation of silvicultural treatment effects on infiltration, runoff, and sediment yield in a south central New Mexico dry mixed conifer forest. Mixed Conifer/Aspen Ecology and Management Meeting, Santa Fe, NM. February 20, 2008.
- 15) Mason, G.J., T.T. Baker, J.C. Boren, D.M. VanLeeuwen, A.G. Fernald, and D.S. Cram. 2008. Crown fire potential and vegetative response under different frequencies and intensities of silvicultural treatments in mixed conifer stands in the Lincoln National Forest, New Mexico. Mixed Conifer/Aspen Ecology and Management Meeting, Santa Fe, NM. February 20, 2008.
- 16) Mason, G.J., T.T. Baker, J.C. Boren, D.M. VanLeeuwen, A.G. Fernald, D.S. Cram, and C.B. Edminster. 2007. Vegetative response of dry mixed-conifer stands to silvicultural treatment. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Helena, MT. August 21-24, 2007.
- 17) Mason, G.J., T.T. Baker, J.C. Boren, D.M. VanLeeuwen, A.G. Fernald, D.S. Cram, and C.B. Edminster. 2007. Fuel loads and crown fire potential in silviculturally treated dry mixed conifer forests. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Helena, MT. August 21-24, 2007.
- 18) Cram, D.S., T.T. Baker, and C.B. Edminster. 2007. Mixed silvicultural treatments on the Sacramento Ranger District, Cloudcroft, New Mexico. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Helena, MT. August 21-24, 2007.
- 19) Madrid, A., A.G. Fernald, and T.T. Baker. 2007. Evaluation of silvicultural treatment effects on infiltration, runoff, sediment yield, and soil moisture in a mixed conifer New Mexico forest. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Helena, MT. August 21-24, 2007.
- 20) Lujan, A., T.T. Baker, A.F. Cibils, S.A. Utsumi, S. Ivey, R. Estell, and M. Peterson. 2007. Manipulating sheep browse on willow. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Helena, MT. August 21-24, 2007.

- 21) Ashcroft, N.K., T.T. Baker, A.G. Fernald, J.C. Boren, A.F. Cibils, D.M. VanLeeuwen, and J.M. Fowler. 2007. Biological Landscape Enhancement in Natural Resource Development (BLEND). Joe Skeen Institute for Rangeland Restoration Annual Workshop. Helena, MT. August 21-24, 2007.
- 22) Hurd B.J., J.C. Boren, T.T. Baker, D.C. Cram, and G.J. Mason. 2007. Effects of grazing, timber harvest, and wildfire on big game forage quantity and quality. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Helena, MT. August 21-24, 2007.
- 23) Wampler, C.R., J.K. Frey, J.C. Boren, and T.T. Baker. 2007. Effects of silvicultural treatments on the small mammal community in a southwest coniferous forest. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Helena, MT. August 21-24, 2007.
- 24) Cram, D.S., T.T. Baker, A.G. Fernald, C.D. Allison, A. Madrid, and R. Rummer. 2007. Mechanical thinning impacts on runoff, infiltration, and sediment yield following fuel reduction treatments in a southwestern dry mixed-conifer forest. Soil and Water Conservation Society Annual Meeting. Tampa, FL. July 21- 26, 2007.
- 25) Cram, D.S., G.J. Mason, and T.T. Baker. 2007. Upper Watershed Management: Forests, Fire, and Water. NM Section of the Society for Range Management. Albuquerque, NM. January 10-11, 2007.
- 26) Ortiz, M., C. Brown, R. Creel, A.G. Fernald, S. Guldan, and T.T. Baker. 2006. The impacts of land use change on water resources, riparian vegetation, and traditional acequia culture in north-central New Mexico. New Mexico Water Research Symposium, New Mexico Tech, Socorro, New Mexico. August 15, 2006.
- 27) Ortiz, M., C. Brown, A.G. Fernald, R. Creel, T.T. Baker, and S. Guldan. 2006. The impacts of land use change on water resources, riparian vegetation, and traditional acequia culture in north-central New Mexico. Annual Meeting of the Universities Council on Water Resources, Santa Fe, NM. July 19, 2007.
- 28) Ortiz, M., C. Brown, R. Creel, A.G. Fernald, S. Guldan, and T.T. Baker. 2006. The impacts of land use change on water resources, riparian vegetation, and traditional acequia culture in north-central New Mexico. ESRI Annual Users Conference, San Diego, CA, July 7-11, 2006.
- 29) Allison, C.D., S.T. Smallidge, T.T. Baker, D.M. VanLeeuwen, and J.C. Boren. 2006. Landscape level temporospatial distribution of a northcentral New Mexico elk herd in relation to public-land livestock grazing. The Wildlife Society Thirteenth Annual Conference, Anchorage, Alaska. September 23-27, 2006.
- 30) Hays, A.E., K.B. Hays, R.N. Wilkins, J. Mosley, and T.T. Baker. 2006. Using high resolution imagery to monitor conifer encroachment. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Cloudcroft, NM. September 12-15, 2006.
- 31) Mason, G.J., T.T. Baker, J.C. Boren, D.M. VanLeeuwen, A.G. Fernald, and D.S. Cram. 2006. Vegetative response of dry mixed-conifer stands to silvicultural treatment. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Cloudcroft, NM. September 12-15, 2006.

- 32) Mason, G.J., T.T. Baker, J.C. Boren, D.M. VanLeeuwen, A.G. Fernald, and D.S. Cram. 2006. Fuel loads and crown fire potential in silviculturally treated dry mixed conifer forests. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Cloudcroft, NM. September 12-15, 2006.
- 33) Cram, D.S. and T.T. Baker. 2006. Mixed silvicultural treatments on the Sacramento Ranger District, Cloudcroft, New Mexico. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Cloudcroft, NM. September 12-15, 2006.
- 34) Madrid, A., A.G. Fernald, and T.T. Baker. 2006. Evaluation of silvicultural treatment effects on infiltration, runoff, sediment yield, and soil moisture in a mixed conifer New Mexico forest Joe Skeen Institute for Rangeland Restoration Annual Workshop. Cloudcroft, NM. September 12-15, 2006.
- 35) Lujan, A., S.A. Utsumi, A.F. Cibils, T.T. Baker, S. Ivey, R. Estell, and M. Peterson. 2006. Manipulating sheep browse on willow. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Cloudcroft, NM. September 12-15, 2006.
- 36) Ashcroft, N.K., T.T. Baker, A.G. Fernald, J.C. Boren, A.F. Cibils, D.M. VanLeeuwen, and J.M. Fowler. 2006. Biological Landscape Enhancement in Natural Resource Development (BLEND). Joe Skeen Institute for Rangeland Restoration Annual Workshop. Cloudcroft, NM. September 12-15, 2006.
- 37) Hurd B.J., J.C. Boren, T.T. Baker, D.C. Cram, and G.J. Mason. 2006. Effects of grazing, timber harvest, and wildfire on big game forage quantity and quality. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Cloudcroft, NM. September 12-15, 2006.
- 38) Wampler, C.R., J.K. Frey, J.C. Boren, and T.T. Baker. 2006. Effects of silvicultural treatments on the small mammal community in a southwest coniferous forest. Joe Skeen Institute for Rangeland Restoration Annual Workshop. Cloudcroft, NM. September 12-15, 2006.
- 39) Ortiz, Q., C. Brown, A.G. Fernald, T.T. Baker, R. Creel, and S. Guldan. 2006. The Impacts of Land Use Change on Water Resources and Traditional *Acequia* Culture in Northern New Mexico. 2006 UCOWR Annual Meeting. Santa Fe, NM. July 20, 2006.
- 40) Baker, T.T., J.C. Boren, and M.K. Wood. 2006. Livestock grazing prescriptions to enhance wildlife habitat? A review. *In*: J. Knight, D. Rollins, and J.C. Boren. (Tech. Coords.) Proceedings of the Society for Range Management Symposium: Prescribed Livestock Grazing to Enhance Wildlife Habitat. Vancouver, BC. February 13-17, 2006.
- 41) Boren, J.C. and T.T. Baker. 2006. Challenges and opportunities for developing prescribed grazing guidelines to enhance habitat for endangered species in the Southwest. *In*: J. Knight, D. Rollins, and J.C. Boren. (Tech. Coords.) Proceedings of the Society for Range Management Symposium: Prescribed Livestock Grazing to Enhance Wildlife Habitat. Vancouver, BC. February 13-17, 2006.
- 42) Mason, G.J., T.T. Baker, J.C. Boren, D.M. VanLeeuwen, A.G. Fernald, D.S. Cram, and B.J. Hurd. 2006. Vegetative response of mixed conifer stands to different types and frequencies of silvicultural treatment. Society for Range Management National Convention, Vancouver, BC. February 12-17, 2006.

- 43) Hurd, B.J., J.C. Boren, T.T. Baker, D.S. Cram, and G.J. Mason. 2006. Effects of grazing, timber harvest, and wildfire on big game forage quantity and quality. Society for Range Management 59<sup>th</sup> Annual Meeting. Vancouver, BC. February 14, 2006.
- 44) Hurd, B.J., J.C. Boren, T.T. Baker, and C.B. Edminster. 2006. Distributional and dietary overlap of elk, deer, and cattle in the Lincoln National Forest. Society for Range Management 59<sup>th</sup> Annual Meeting. Oral presentation. Vancouver, BC. February 16, 2006.
- 45) Mason, G.J., T.T. Baker, J.C. Boren, D.M. VanLeeuwen, A.G. Fernald, D.S. Cram, and B.J. Hurd. 2005. Fuel loading and vegetative response of mixed conifer stands to different types and frequencies of silvicultural treatment. Society of American Foresters Annual Conference. Ft. Worth, TX. October 19-23, 2005.
- 46) Wood, M.K. and T.T. Baker. 2005. Defining Healthy Riparian Zones. River and Lake Restoration. 2005 UCOWR/NIWR Annual Conference. Portland, ME. July 12-14, 2005.
- 47) Cram, D.S., T.T. Baker, J.C. Boren, and C.B. Edminster. 2005. Wildfire effects in silviculturally treated vs. untreated forests of the southwestern United States. European Geosciences Union Special Session on Wildland Fire: Spatial and Temporal Patterns of wildfires: models, theory, and reality. Vienna, Austria. April 2005.
- 48) Boren, J.C. and T.T. Baker. 2005. Wildlife Habitat Restoration of NMSU's Joe Skeen Institute. Joe Skeen Institute for Rangeland Restoration Annual Meeting. Kerrville, TX. April 11-13, 2005.
- 49) Baker, T.T., D.S. Cram, G.J. Mason, and J.C. Boren. 2005. Rangeland and Forest Restoration Initiative of NMSU's Joe Skeen Institute. Joe Skeen Institute for Rangeland Restoration Annual Meeting. Kerrville, TX. April 11-13, 2005.
- 50) Baker, T.T. 2005. Practical approaches to science-based watershed restoration. Western Community Partnerships for Restoration Conference. Ruidoso, NM. March 30-31, 2005.
- 51) Cram, D.S., T.T. Baker, and J.C. Boren. 2005. Wildfire effects in treated vs. untreated forests. Wildland Fire 2005. Albuquerque, NM. February 16-18, 2005.
- 52) Mason, G.J., T.T. Baker, J.C. Boren, D.S. Cram, B.J. Hurd, and C.B. Edminster. 2004. Fuel loading and vegetative response of mixed-conifer stands to different types and frequencies of silvicultural treatment. Mixed-Severity Fire Regime Conference, Spokane, WA. November 17-19, 2004.
- 53) Cram, D.S., T.T. Baker, J.C. Boren, and C.B. Edminster. 2004. Wildland fire effects in silviculturally treated vs. untreated pine and mixed conifer stands of the Southwest. Mixed-Severity Fire Regime Conference, Spokane, WA. November 17-19, 2004.
- 54) Madrid, A., A.G. Fernald, and T.T. Baker. 2004. Evaluation of Forest Thinning Effects on Runoff, Sediment Yield, and Vegetative Cover in a New Mexico Forest. New Mexico Water Resources Research Institute 49<sup>th</sup> Annual Conference. Ruidoso, NM. September 21-22, 2004.

- 55) Baker, T.T. and J.C. Boren. 2004. New Mexico State University's Joe Skeen Institute for Rangeland Restoration – Forest/Rangeland Restoration Initiative. Montana State University Research Report.
- 56) Boren, J.C. and T.T. Baker. 2004. New Mexico State University's Joe Skeen Institute for Rangeland Restoration – Wildlife Habitat Improvement Initiative. Montana State University Research Report.
- 57) Baker, T.T. and J.C. Boren. 2004. New Mexico State University's Joe Skeen Institute for Rangeland Restoration – Forest/Rangeland Restoration Initiative. Rocky Mountain Research Station Research Report.
- 58) Boren, J.C. and T.T. Baker. 2004. New Mexico State University's Joe Skeen Institute for Rangeland Restoration – Wildlife Habitat Improvement Initiative. Research Overview for Rocky Mountain Research Station.
- 59) Cram, D.S., T.T. Baker, J.C. Boren, and C.B. Edminster. 2003. Wildland Fire Effects in Silviculturally Treated vs. Untreated Forest Stands in New Mexico and Arizona. 57<sup>th</sup> Annual Meeting of the Society for Range Management. Salt Lake City, UT. January 24-30, 2003.
- 60) Cram, D.S., T.T. Baker, J.C. Boren, and C.B. Edminster. 2003. Wildland Fire Effects in Silviculturally Treated vs. Untreated Forest Stands in New Mexico and Arizona. 2<sup>nd</sup> International Wildland Fire Ecology and Fire Management Congress. Orlando, FL. November 16-20, 2003.
- 61) Hurd, B.J., J.C. Boren, T.T. Baker, and B.D. Wright. 2003. Effects of Big Game and Livestock on Plant Cover in Logged Areas. Western States and Provinces Elk and Deer Workshop. Jackson Hole, WY. May 21-24, 2003.
- 62) Cram, D.S., T.T. Baker, J.C. Boren, and C.B. Edminster. 2002. Inventory and classification of wildland fire effects in silviculturally treated vs. untreated forest stands of New Mexico and Arizona. 2002 Fire Conference: Managing Fire and Fuels in the Remaining Wildlands and Open Spaces of the Southwestern United States, San Diego, CA. December 2-5, 2002.
- 63) Baker, T.T., R. Lee, and M.K. Wood. 2002. Southwestern riparian areas: historical management and current challenges. *In*: Integrated Trans-boundary Water Management. Universities Council on Water Resources Conference. Traverse City, MI. July 24, 2002.
- 64) Allison, C.D., T.T. Baker, J.C. Boren, B.D. Wright, and A.G. Fernald. 2002. Monitoring Rangelands in New Mexico: range, riparian, erosion and water quality, and wildlife. *In*: Proceeding from 3<sup>rd</sup> Association of Natural Resource Extension Professionals. Naples, FL. June 3-6, 2002.
- 65) Stavast, L.J., T.T. Baker, M.K. Wood, A.L. Ulery, and R.P. Flynn. 2002. Application of dairy wastes to blue grama rangelands in New Mexico: Results on vegetation, soils, and runoff water quality. 55<sup>th</sup> Annual Meeting of the Society for Range Management. Great Rivers, Great Plains, Great Opportunities. Kansas City, MO. February 13-19, 2002.
- 66) Lucas, R.W., T.T. Baker, and M.K. Wood. 2001. Effects of cattle grazing on two riparian areas in the Gila National Forest, New Mexico. Proceedings of the 37<sup>th</sup> annual meeting of the American Water Resource Association. Albuquerque, NM. November 11-14, 2001.

- 67) Baker, T.T. 2001. Management of New Mexico's riparian areas. Pages 1-8 *In*: Proceedings New Mexico Watershed Management: Restoration, Utilization, and Protection. New Mexico Water Resources Research Institute. Santa Fe, NM. November 6, 2001.
- 68) Baker, T.T. 2001. Livestock management in southwestern riparian areas. World Wide Web Proceedings Southern Region Extension Water Quality Coordinators Annual Conference. Gulf Shores, AL. October 30, 2001.
- 69) Van Lear, D.H., D.B. Vandermast, C.T. Rivers, T.T. Baker, B.D. Clinton, and T.A. Waldrop. 2001. Rhododendron encroachment threatens future health of Appalachian cove forests. Society of American Foresters Annual Convention. Denver, CO. September 13-17, 2001.
- 70) Lucas, R.W., T.T. Baker, and M.K. Wood. 2001. Riparian area response to altering season of use and intensity of cattle grazing in the Gila National Forest, New Mexico. Proceedings 86th Annual meeting of the Ecological Society of America. Madison, WI. August 5-10, 2001.
- 71) Van Lear, D.H., D.B. Vandermast, C.T. Rivers, T.T. Baker, C.W. Hedman, B.D. Clinton, and T.A. Waldrop. 2001. Rhododendron encroachment threatens future health of Appalachian Cove Forests. 3<sup>rd</sup> North American Forestry Ecology Workshop. Duluth, MN. June 24-27, 2001.
- 72) Van Lear, D.H., T.T. Baker, D.B. Vandermast, C.T. Rivers, C.W. Hedman, B.D. Clinton, and T.A. Waldrop. 2001. American chestnut, rhododendron, and the future of Appalachian cove forests. Proceedings of the Tenth Biennial Southern Silvicultural Research Conference, Knoxville, TN. March 19-22, 2001.
- 73) Lucas, R.W., T.T. Baker, and M.K. Wood. 2001. Riparian area response to different seasons and intensities of cattle grazing in the Gila National Forest, New Mexico. Proceedings 54th Annual meeting of the Society for Range Management. Kailua-Kona, HI. February 18-23, 2001.
- 74) Hernandez, I.I., T.T. Baker, and M.K. Wood. 2001. Prioritizing areas for natural resources improvement in the Rio Laja Watershed, Guanajuato, Mexico. Society for Range Management 54<sup>th</sup> Annual Meeting. Kona, HI, February 17-23, 2001.
- 75) Baker, T.T. 2000. Riparian management and monitoring in New Mexico. *In*: 5<sup>th</sup> Annual United States Environmental Protection Agency Region 6 Non-Point Source Pollution Watershed Conference. Angel Fire, NM. May 2000.
- 76) Baker, T.T., W.H. Conner, B.G. Lockaby, M.K. Burke, and J.A. Stanturf. 2000. Root Growth. Pages 42-43 *In*: M.K. Burke and M.H. Eisenbies (Eds.). The Coosawhatchie Bottomland Ecosystem Study: a report on the development of a reference wetland. USDA Forest Service Southern Research Station, Asheville, North Carolina, Gen. Tech. Rep. SRS-38.
- 77) Baker, T.T., W.H. Conner, B.G. Lockaby, J.A. Stanturf, and M.K. Burke. 2000. Litter decomposition. Pages 49-50 *In*: M.K. Burke and M.H. Eisenbies (Eds.). The Coosawhatchie Bottomland Ecosystem Study: a report on the development of a reference wetland. USDA Forest Service Southern Research Station, Asheville, North Carolina, Gen. Tech. Rep. SRS-38.

**COOPERATIVE EXTENSION SERVICE & OUTREACH PUBLICATIONS, INCLUDING WRITTEN EXPERT TESTIMONY**

❖ 45 total

- 1) Cram, D., and T.T. Baker. 2012. Startup Guide for Forestry and Wood Products Cooperatives in New Mexico. New Mexico Cooperative Extension Publication Guide Z-117.
- 2) Cram, D. and T.T. Baker. 2010. Research and extension review for 2010. Range Improvement Task Force Advisory Board Meeting, Albuquerque, NM. December 2, 2010.
- 3) Cram, D., and T.T. Baker. 2010. Review of Hanson 2010 *The Myth of “Catastrophic” Wildfire – a new ecological paradigm of forest health* for NM State Forestry. October 2010.
- 4) Smallidge, S.T. and T.T. Baker. 2009. Review of misuse of animal unit equivalencies and conversion factors in USFS management of federal grazing permits. March 2009.
- 5) Baker, T.T. 2008. Review of Senate Joint Memorial 40/Off-Road Vehicle proposal to create new legislation guiding management and regulation of off-road vehicles. November 2008.
- 6) Baker, T.T. 2008. Review of Governor’s Outstanding National Resource Waters proposal to list 5,300 miles of NM streams as ONRWs. September 2008.
- 7) Smallidge, S.T., T.T. Baker, C.D. Allison, and J.M. Fowler. 2008. Cedar Breaks Allotment Management Plan. July 2008.
- 8) Baker, T.T., C.D. Allison, and B. Hinrichs. 2008. Review of Noninsured Crop Disaster Assistance Program in New Mexico. February 2008.
- 9) Baker, T.T., C.P Mathis, S.T. Smallidge, J.C. Boren, and N.K. Ashcroft. NM Ranching. 2008. New Mexico State University Cooperative Extension Service, Range Improvement Task Force, and Agricultural Experiment Station Brochure.
- 10) Smallidge, S.T., N.K. Ashcroft, J.M. Fowler, and T.T. Baker. 2007. Review of NM Department of Game and Fish wolf effects on elk population model. December 2007.
- 11) McDaniel, K., T.T. Baker, and D.S. Cram. 2007. Review of the efficacy of leafy spurge monitoring on the Philmont Scout Ranch to Questa Ranger District of Carson National Forest. June 2007.
- 12) Baker, T.T. 2007. Review of the North Otero County Grazing EA. June 2007.
- 13) Baker, T.T. and S.T. Smallidge. 2007. Review of AOI for Jarita Mesa Allotment, El Rito District of Carson national Forest. February 2007.
- 14) Fowler, J.M., T.T. Baker, and J.C. Boren. 2006. Mexican Spotted Owl Science Review. Report for Otero County Commission. September 2006
- 15) Gomez, J., T.T. Baker, and S.T. Smallidge. 2006. Jarita Mesa Allotment range monitoring report for October 2006. Report submitted to El Rito District of Carson National Forest. October 2006.

- 16) Baker, T.T. and S.T. Smallidge. 2006. Jarita Mesa Allotment range monitoring report for August 2006. Report submitted to El Rito District of Carson National Forest. August 2006.
- 17) Baker, T.T. 2006. Review of the NM Environment Department, and allotment inspection, of the Flechado Allotment on the Camino Real District of the Carson National Forest. June 2006.
- 18) Baker, T.T., J. Gomez, and G.J. Mason. 2006. Jarita Mesa Grazing Assessment. Monitoring report for USDA Forest Service, Rio Arriba County, and Jarita Mesa Grazing Association. May 2006.
- 19) Baker, T.T. 2006. New Mexico State University's Forest and Rangeland Restoration Initiative. Joe Skeen Institute for Rangeland Restoration Web Publication. April 2006.
- 20) Mason, G.J., T.T. Baker, J.C. Boren, D.M. VanLeeuwen, A.G. Fernald, D.S. Cram, and B.J. Hurd. 2006. Fuel loading and vegetative response of mixed conifer stands to different types and frequencies of silvicultural treatment. Livestock Research Briefs and Cattle Growers Short Course, Clovis, NM. March 23–24, 2006.
- 21) Baker, T.T. and D.S. Cram. 2005. Frequently asked questions: Riparian and Forest Management. E-Extension Website.
- 22) Cram, D.S., T.T. Baker, A.G. Fernald, A. Madrid, J. Lujan, and K. Tator. 2005. Surface disturbance following mechanical fuel reduction. Range Improvement Task Force Advisory Board Annual Meeting. Albuquerque, NM. December 2, 2005.
- 23) Mason, G.J., T.T. Baker, J.C. Boren, D.M. VanLeeuwen, A.G. Fernald, D.S. Cram, and B.J. Hurd. 2005. Fuel loading and vegetative response of mixed conifer stands to different types and frequencies of silvicultural treatment. Range Improvement Task Force Advisory Board Annual Meeting. Albuquerque, NM. December 2, 2005.
- 24) Boren, J.C., S.C. Eaton, B.J. Hurd, and T.T. Baker. 2005. Monitoring elk, deer, and pronghorn populations on your ranch. Corona Range and Livestock Research Center Field Day, New Mexico State University. Corona, NM. July 22, 2005.
- 25) Baker, T.T., J.C. Boren, and C.D. Allison. 2005. Riparian grazing management. Livestock Research Briefs and Cattlegrowers' Shortcourse. Annual Proceedings. March 2005.
- 26) Mason, G.J., T.T. Baker, J.C. Boren, D.S. Cram, and B.J. Hurd. 2005. Fuel loading and vegetative response of mixed conifer stands to different types and frequencies of silvicultural treatment. Livestock Research Briefs and Cattlegrowers' Shortcourse. Alamogordo, NM. March 2005.
- 27) Boren, J.C., S. Eaton, T.T. Baker, and B. Starnes. 2004. Financial incentives for New Mexico's private landowners to manage wildlife. New Mexico State University Cooperative Extension Service Brochure.
- 28) Cram, D.S., and T.T. Baker. 2004. Fuel and forage management in Southwestern forests. New Mexico Stockman Magazine. March 2004.

- 29) Fernald, A.G., S. Guldán, T.T. Baker, and J.P. King. 2003. Irrigation Ditch Seepage Effects on Surface Water/Groundwater Interaction along the Rio Grande Corridor. *In: Efficient Irrigation for Water Conservation*. New Mexico State University *Water Task Force* Report #1.
- 30) Boren, J.C., T.T. Baker, and D.E. Cowley, B.J. Hurd. 2003. Growing trout in New Mexico ponds. New Mexico State University *Cooperative Extension Service* Guide L-108.
- 31) Boren, J.C., B.D. Wright, and T.T. Baker. 2003. Tanning deer hides and small fur skins. New Mexico State University *Cooperative Extension Service* Guide L-103.
- 32) Baker, T.T., J.C. Boren, and C.D. Allison. 2001. Riparian management strategies for New Mexico landowners. New Mexico *Cooperative Extension Service* Guide B-119.
- 33) Baker, T.T., J.C. Boren, D.S. Cram, and S.T. Smallidge. 2003. Floodplain development in a highly disturbed intermittent canyon bottom under different seasons of grazing. *In: Livestock Research Briefs and Cattlegrowers' Shortcourse*. March 27-28, 2003.
- 34) Baker, T.T., L. Stavast, K. Allred, and B. Allred. 2002. New Mexico riparian plants database. On-line publication of New Mexico State University Cooperative Extension Service website.
- 35) Baker, T.T. 2002. What is a riparian area? On-line publication of New Mexico State University Cooperative Extension Service website.
- 36) Baker, T.T. 2002. Riparian areas in New Mexico. On-line publication of New Mexico State University Cooperative Extension Service website.
- 37) Lucas, R.W., T.T. Baker, M.K. Wood, D.M. VanLeeuwen, and C.D. Allison. 2002. Effects of cattle grazing on montane riparian areas in central New Mexico. *Livestock Research Briefs and Cattle Grower's Short Course*. New Mexico State University, Las Cruces, New Mexico. March 21-22, 2002.
- 38) Stavast, L.J., T.T. Baker, M.K. Wood, A.L. Ulery, and R.P. Flynn. 2002. Effects of dairy manure disposal on blue grama rangelands: Results on vegetation, soils, and runoff water quality. *Livestock Research Briefs and Cattle Growers Short Course*. Las Cruces, NM. pp. 78. March 21-22, 2002.
- 39) Allison, C.D., T.T. Baker, J.C. Boren, and A.G. Fernald. 2001. Range, riparian, water quality, and wildlife monitoring databook. New Mexico State University Cooperative Extension Service, *Range Improvement Task Force* Report.
- 40) Lucas, R.W., T.T. Baker, and M.K. Wood. 2001. Riparian area response to altering season of use and intensity of cattle grazing in the Gila National Forest, New Mexico. *In: Livestock Research Briefs and Cattle Growers Short Course*. Clayton, New Mexico. March 28-29, 2001.
- 41) Stavast, L., T.T. Baker, and M.K. Wood. 2001. Application of dairy wastes to blue grama rangelands: Preliminary results of the effects on vegetation, soils, and runoff water quality. *In: Livestock Research Briefs and Cattle Growers Short Course*. Clayton, New Mexico. March 28-29, 2001.

- 42) Wood, M.K. and T.T. Baker. 2000. Plant residue and watershed protection. *In: Livestock Research Briefs and Cattle Growers Short Course*. Las Cruces, New Mexico. March 30-31, 2000.
- 43) Lucas, R. W., T.T. Baker, and M. K. Wood. 2000. The effects of different livestock grazing intensities and seasons of use on riparian vegetation and soil erosion in the Black Range, Gila National Forest. *In: Livestock Research Briefs and Cattle Growers Short Course*. Las Cruces, New Mexico. March 30-31, 2000.
- 44) Baker, T.T., J.T. Harrington, and M.K. Wood. 2000. The effects of simulated livestock grazing on coyote willow (*Salix exigua* Nutt.) growth and regeneration. *In: Livestock Research Briefs and Cattle Growers Short Course*. Las Cruces, New Mexico. March 30-31, 2000.
- 45) Baker, T.T. 1999. Biological Evaluation: Turkey Run Allotment riparian area grazing intensity research project. Biological Evaluation submitted to and approved by United States Fish and Wildlife Service permitting research in Mexican spotted owl habitat.

**TELEVISION, AUDIO, NEWSPAPER, MAGAZINE, & NEWSLETTER**

❖ 37 total

- 1) Wilent, S., D. Cram, and T.T. Baker. 2015. Research Matters: Does Fuels Management Work? Study Says Yes – *Forestry Source*, November 2015, Vol. 20, No. 11. Article features 2015 Forest Science Article.
- 2) Baker, T.T. 2015. UK’s role in upcoming Kentucky Wood Expo. University of Kentucky “at the Half” halftime radio interview. September 12, 2015.
- 3) Baker, T.T. 2015. Letter from the Chair. Department of Forestry Fall Newsletter, University of Kentucky. August 2015.
- 4) Baker, T.T. 2013. UK’s role in upcoming Kentucky Wood Expo. University of Kentucky “at the Half” halftime radio interview. September 9, 2013.
- 5) Baker, T.T. 2012. The Forestry Department and Forest Industry in Kentucky, University of Kentucky “at the Half” halftime radio interview. November 5, 2012.
- 6) Baker, T.T. 2012. Letter from the Chair. Department of Forestry Fall Newsletter, University of Kentucky. August 2012.
- 7) Cram, D. and T.T. Baker. 2012. Fire – A new paradigm or old advocacy? *New Mexico Stockman Magazine* – May 2012.
- 8) Baker, T.T. 2011. Letter from the Chair. Department of Forestry Fall Newsletter, University of Kentucky. January 2011.
- 9) Baker, T.T. 2010. Letter from the Chair. *Kentucky Woodlands Magazine*. November 2010.
- 10) Baker, T.T. 2010. Letter from the Chair. Department of Forestry Fall Newsletter, University of Kentucky. September 2010.

- 11) Baker, T.T. 2009. Del escritorio del president (From the desk of the president). NM Section Society for Range Management Newsletter. Fall 2009.
- 12) Baker, T.T. 2009. Del escritorio del president. Getting engaged, re-engaged, and energized; SRM's NM Section has a role to play. NM Section Society for Range Management Newsletter. Spring 2009.
- 13) Thorpe, J. and T.T. Baker. 2009. Tales of tradition and innovation on the NM Range: Producers' Forum. New Mexico Section Society for Range Management Newsletter. Spring 2009.
- 14) Cram, D.S. and T.T. Baker. 2008. Philmont Scout Ranch: Managing rangelands, livestock, and boy scouts since 1938. New Mexico Section Society for Range Management Newsletter. Summer 2008.
- 15) Bannister, J., T.T. Baker, and D.S. Cram. 2007. Wildfires nothing new to the Southwest. NMSU University Communications Press Release. Printed in LC Sun News, Clovis, etc. October 2007.
- 16) Smallidge, S.T. and T.T. Baker. 2007. Selecting key areas for rangeland monitoring: Getting Started. Aggie Notes, New Mexico Stockman Magazine. October, 2007.
- 17) Baker, T.T. 2007. NM Fir Looper and Lincoln National Forest conditions. Cloudcroft, NM. KFOX News television interview. May 15, 2007.
- 18) Pehr, D., T.T. Baker, and D.S. Cram. 2006. Researchers test gentler tree-thinning machine. Las Cruces Sun News. February 2006.
- 19) Pehr, D.J., T.T. Baker, J.C. Boren, D.S. Cram, and G.J. Mason. 2006. Branching Out: NMSU Researchers Study Impact of Forest Thinning. NMSU Research and Resources. 1(1):12-13.
- 20) Pehr, D., C.D. Allison, T.T. Baker, and S.T. Smallidge. 2006. NMSU experts assist river restoration project. Las Cruces Sun News. New Mexico Stockman. Clovis and others. January 2005.
- 21) Pehr, D., Baker, T.T., Boren, J.C. and G.J. Mason. 2005. Researchers examine forest thinning techniques. Las Cruces Sun News. New Mexico Stockman. Alamogordo, Artesia, and others. July 2005.
- 22) Baker, T.T. and D.S. Cram. 2005. Riparian vegetation response to grazing in southwestern mountains. Aggie Notes. New Mexico Stockman. February 2005.
- 23) Baker, T.T. 2004. Fuels and Forage in Southwestern National Forests. Aggie Notes. New Mexico Stockman. March 2004.
- 24) Baker, T.T. and D.S. Cram. 2003. Study Supports Forest Clearing. Albuquerque Journal. June 22, 2003.
- 25) Baker, T.T. and D.S. Cram. 2003. Fuel Load Reduction found to be critical in curbing wildfires. Las Cruces Sun News. June 14, 2003.

- 26) Baker, T.T. 2003. Livestock Management in Southwestern Riparian Areas. Aggie Notes. New Mexico Stockman. July 2003.
- 27) Allison, C.D., J. Holechek, J.M. Fowler, J.C. Boren, T.T. Baker, and N.K. Ashcroft. 2003. RAM: Rapid Assessment Methodology for Assessing Range Condition. Northern New Mexico Stockman's Newsletter. April 2003.
- 28) Cram, D.S. and T.T. Baker. 2003. Forest thinning reduces severity of wildland fire. Interview with National Public Radio, FM 91.5, Phoenix, Arizona. July 16, 2003.
- 29) Baker, T.T. 2002. Drought challenges New Mexico's farmers and ranchers and threatens a severe 2002 fire season. KRWG News interview. April 26, 2002.
- 30) Baker, T.T. and A. Perez-Wright. 2001. Announcing Black Mesa Range Camp. New Mexico State University Cooperative Extension Service and New Mexico Section of the Society for Range Management April 2001.
- 31) Baker, T.T. 2001. New Mexico's 2<sup>nd</sup> Annual High School Youth Forum. New Mexico Section of the Society for Range Management Spring Newsletter.
- 32) Robinson, K. and Baker, T.T. 2001. Workshops teach land monitoring. Albuquerque Journal March 2001.
- 33) Baker, T.T. 2001. New Mexico's 2<sup>nd</sup> annual High School Youth Forum. New Mexico Section of the Society for Range Management Spring Newsletter.
- 34) Baker, T.T. and A. Perez-Wright. 2000. Announcing the first annual New Mexico High School Youth Forum. New Mexico State University Cooperative Extension Service and New Mexico Section of the Society for Range Management. September 2000.
- 35) Parker, L. and T.T. Baker. 2000. Panel considers the value of cattle on public land. Las Cruces Sun-News. June 2000.
- 36) Baker, T.T. 2000. New Mexico's 1<sup>st</sup> annual High School Youth Forum. New Mexico Section of the Society for Range Management Fall Newsletter. November 2000.
- 37) Perez-Wright, A. and T.T. Baker. 2000. New Mexico's High School Youth Forum. Press Release to New Mexico newspapers and radio stations. New Mexico State University Cooperative Extension Service. September 2000.

## **FUNDING**

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❖ Cumulative Funding ~ \$5.1 million

Baker, T.T., J. Allen, and K. Belli. 2015. Priorities and recommendations for the next decade of McIntire-Stennis. Proposal to prepare the 2016 McIntire-Stennis Strategic Plan. National Institute of Food and Agriculture. (\$30,000)

T.T. Baker. 2014. A proposal to create the Forest Health Research and Education Center at the University of Kentucky. Joint Venture Agreement submitted to USDA Forest Service Southern Research Station. (\$591,780 for 2 years)

- L. Lhotka, J. Ringe, and T.T. Baker. 2011. Enhancing Forestry Students' Team Building and Leadership Skills. 2011. Teaching Incentive and Improvement Fund for the College of Agriculture. (\$851)
- Smallidge, S.T., S. Eaton, and T.T. Baker. 2010. Natural Resources Youth Education: 4-H Wildlife Habitat Evaluation Program. A Proposal Submitted to the U.S. Fish and Wildlife Service on behalf of the 4-H Wildlife Habitat Evaluation Program National Committee. (\$254,600 through 2014)
- N. Ashcroft, S.T. Smallidge, D. Cram, and T.T. Baker. 2010. Rangeland Improvement: Analyzing the cumulative impacts of federal land policy and management. (\$214,080)
- Hawkes, J., D. Cram, and T.T. Baker. 2010. Eastern Gila Forest and Community Restoration Project. (\$58,824)
- Baker, T.T. 2010. Multiple-use issues within Otero County related to the Lincoln National Forest. (\$25,000). Otero County.
- Fernald, A., S. Guldán, and T.T. Baker. 2010. Efficient irrigation for water conservation. AES and CES through CSREES and TAMU. (\$50,000)
- Baker, T.T., N. Ashcroft, and S.T. Smallidge. 2009. Rangeland Improvement: Analyzing the cumulative impacts of federal land policy and management. (\$200,640)
- Baker, T.T. 2009. Multiple-use issues within Otero County related to the Lincoln National Forest. (\$25,000). Otero County.
- Smallidge, S.T., T.T. Baker, and C.D. Allison. 2008. Monitoring the effects of salt cedar control on the Canadian River Riparian Restoration Project. (\$42,000)
- Schneberger, M., D.S. Cram, and T.T. Baker. 2008-2013. Eastern Gila Forest and Community Restoration Project. USDA Region 3 CFRP Grants. (\$60,000 for 3 years)
- Baker, T.T., N. Ashcroft, and S.T. Smallidge. 2008. Multiple-use issues within Otero County related to the Lincoln National Forest. (\$25,000)
- Baker, T.T. 2008. Rangeland Improvement: Analyzing the cumulative impacts of federal land policy and management. (\$225,000)
- Baker, T.T., and J.M. Fowler. 2008. New Mexico State University Vegetation Monitoring Team. 2008 New Mexico State Legislature. (\$99,300)
- Fowler, J. and T.T. Baker, T.T. 2007. Rangeland Improvement: Analyzing the cumulative impacts of federal land policy and management. (\$225,000)
- Baker, T.T. and J.C. Boren. 2007-2009. Inventory of southwestern national forest wildfires: An assessment of silviculturally treated versus untreated wildland fires. USDA Rocky Mountain Experiment Station Grant (\$224,504)
- Boren, J.C. and T.T. Baker. 2007-2009. Effects of silvicultural treatments for fuels management and forest restoration on habitat and wildlife responses on southwestern national forests. USDA Rocky Mountain Experiment Station Grant (\$200,000)

- Allison, C.D., T.T. Baker, S.T. Smallidge. 2007. PSA between the Ute Creek Watershed Restoration & Management Project and NMSU. September 18, 2006 through June 30, 2007. (\$21,184).
- Allison, C.D., T.T. Baker, S.T. Smallidge. 2006-2007. Monitoring the effects of salt cedar control on the Canadian River. Canadian River Riparian Restoration Project. September 18, 2006 through June 30, 2007. (\$80,500)
- Baker, T.T., D.S. Cram, G.J. Mason, and J.C. Boren. 2006. Wildfire and fuels management effects in treated stands on southwestern national forests 2007-2008. Amendment submitted to Rocky Mountain Research Station. May 2006. (\$90,833)
- Allison, C.D., T.T. Baker, S.T. Smallidge. 2006-2007. Ute Creek Riparian Restoration Monitoring Project. (\$19,800)
- Baker, T.T. 2007. Riparian Vegetation Restoration along South-Central New Mexico Montane Stream Systems. USDA MacIntire-Stennis Program. (\$150,000 – 30,000 per year for 5 years)
- Allison, C.D., T.T. Baker, S.T. Smallidge. 2005-2006. Canadian River Riparian Restoration Monitoring Project. (\$80,500)
- Baker, T.T., J.C. Boren, D.S. Cram, J.M. Fowler, and C.D. Allison. 2006-2008. New Mexico State University's Joe Skeen Institute for Forest and Rangeland Management Research – Forest/Rangeland Restoration Initiative. Joe Skeen Institute for Rangeland Restoration. (\$110,546)
- Brown, C., A.G. Fernald, T.T. Baker, R. Creel, and M. Ortiz. 2005-2006. The Impacts of Land Use Change on Water Resources and Traditional *Acequia* Culture in North Central New Mexico. NMSU Research Mini-Grant Program Water Science and Education Center of the Natural Resources Cluster. (\$25,000)
- Baker, T.T., J.C. Boren, D.S. Cram, and B.J. Hurd. 2006-2007. Inventory of southwestern national forest wildfires: An assessment of silviculturally treated versus untreated wildland fires. USDA Rocky Mountain Experiment Station Grant \$105,696)
- Boren, J.C., T.T. Baker, B.J. Hurd, and D.S. Cram. 2004 – 2006. Effects of silvicultural treatments for fuels management and forest restoration on habitat and wildlife responses on southwestern national forests. USDA Rocky Mountain Experiment Station Grant (\$169,610 for two years)
- Baker, T.T., D.S. Cram, A.G. Fernald, and C. Ochoa. 2004-2005. Mechanical Harvesting Impacts on Site Disturbance, Ground Cover and Runoff/Erosion. USDA Forest Service Southern Research Station Agreement. (\$26,000)
- Baker, T.T., J.C. Boren, D.S. Cram, J.M. Fowler, and C.D. Allison. 2005-2007. New Mexico State University's Joe Skeen Institute for Forest and Rangeland Management Research – Forest/Rangeland Restoration Initiative. Joe Skeen Institute for Rangeland Restoration. (\$136,477)

- Baker, T.T., J.C. Boren, D.S. Cram, J.M. Fowler, and C.D. Allison. 2004-2006. New Mexico State University's Joe Skeen Institute for Forest and Rangeland Management Research – Forest/Rangeland Restoration Initiative. Joe Skeen Institute for Rangeland Restoration. (\$115,465)
- Boren, J.C., Baker, T.T., D.S. Cram, J.C. Boren, J.M. Fowler, and C.D. Allison. 2004-2006. New Mexico State University Joe Skeen Institute for Forest and Range Management Research and Education: Wildlife Management and Ecology. (\$115,464 total)
- Baker, T.T., J.C. Boren, D.S. Cram, J.M. Fowler, and C.D. Allison. 2003-2005. New Mexico State University's Joe Skeen Institute for Forest and Rangeland Management Research – Forest/Rangeland Restoration Initiative. Joe Skeen Institute for Rangeland Restoration. (\$139,121)
- Boren, J.C., T.T. Baker, D.S. Cram, J.M. Fowler, and C.D. Allison. 2003-2005. New Mexico State University Joe Skeen Institute for Forest and Range Management Research and Education: Wildlife Management and Ecology. (\$145,102)
- Baker, T.T., J.C. Boren, D.S. Cram, and B.J. Hurd. 2004-2006. Inventory of southwestern national forest wildfires: An assessment of silviculturally treated versus untreated wildland fires. USDA Rocky Mountain Experiment Station Grant (\$102,702)
- Boren, J.C. and T.T. Baker, B.J. Hurd, and D.S. Cram. 2004. Foraging relationships between elk, mule deer and cattle on salvage-logged sites in southwestern national forests: Research joint venture amendment for Phase Four. USDA Rocky Mountain Experiment Station Grant (\$83,488 total)
- Baker, T.T., J.C. Boren, D.S. Cram, and B.J. Hurd. 2003. Inventory of southwestern national forest wildfires: An assessment of silviculturally treated versus untreated wildland fires. USDA Rocky Mountain Experiment Station Grant (\$84,799)
- Boren, J.C., T.T. Baker, B.J. Hurd, J.M. Fowler. 2002-2003. Foraging relationships between elk, mule deer and cattle on southwestern national forests: Research joint venture amendment for phase three. USDA Forest Service Rocky Mountain Research Station Grant (\$80,000)
- Baker, T.T. and L. Stavast. 2002. Evaluating the effects of manure applications on broom snakeweed populations, other vegetation, soil, and runoff on rangelands in New Mexico. New Mexico State University snakeweed research project (\$24,000)
- Boren, J.C., T.T. Baker, and B.D. Wright. 2001. Natural Resources Education for New Mexico Youth. US Fish and Wildlife Service, Extension Sea Grant Program (\$25,000)
- Fernald, A.G., S. Guldan, T.T. Baker, J.P. King. 2001. Irrigation ditch seepage effects. USDA Special Projects: Efficient Irrigation for Water Conservation in the Rio Grande Basin, College of Agriculture and Home Economics (\$139,033)
- Baker, T.T., J.C. Boren, J.M. Fowler, and A.G. Fernald. 2001. Inventory of southwestern national forest wildfires: An assessment of silviculturally treated versus untreated wildland fires. USDA Rocky Mountain Experiment Station Grant (\$225,000)

- Baker, T.T. and L. Stavast. 2001. Evaluating the effects of manure applications on broom snakeweed populations, other vegetation, soil, and runoff on rangelands in New Mexico. New Mexico State University snakeweed research project (\$24,000).
- Baker, T.T. 2001. Riparian area response to different seasons and intensities of livestock use on southwestern riparian forests. USDA MacIntire-Stennis Program. (\$100,000 – 20,000 per year for 5 years)
- Boren, J.C., B.D. Wright, and T.T. Baker. 2000. Foraging relationships between elk, mule deer and cattle on southwestern national forests: Research joint venture amendment for Phase Two. USDA Rocky Mountain Experiment Station Grant (\$120,000)
- Baker, T.T., J.C. Boren, J.M. Fowler, and C.D. Allison. 2000. Grazing Management of southwestern riparian areas. Scarborough-Lineberry Foundation. (\$15,000)
- Abbott, L., T.T. Baker, and C.D. Allison. 2000. An assessment of Jaguar habitat in northern Mexico in relation to traditional livestock operations. Center for International Studies, New Mexico State University (\$800)