

Laurie B. Abbott

Title: Associate Professor of Range Science

Major Field of Interest: Rangeland Ecology and Restoration

Education:

- B.S., Botany, University of Michigan, Ann Arbor, Michigan, 1983
- M.S., Ecology and Evolutionary Biology, University of Arizona, Tucson, Arizona, 1992
- Ph.D., Range Management, University of Arizona, Tucson, Arizona, 1999



Courses Taught:

- Range Science 150 - The Range Science Profession
- Range Science 325 - Rangeland Restoration
- Range Science 452 - Rangeland Analysis
- Range Science 513 - Advanced Rangeland Ecology
- Range Science 630 - Quantative Plant Ecology

Research:

- Vegetation and soil dynamics, the role of disturbance in rangeland ecosystems, and sustainable management and restoration of rangeland ecosystems.

Other:

- Range Judging Team Coach - URME (undergrad range management exam)
- National Association of College Teachers of Agriculture (NACTA) Teaching Award
- New Mexico Section, Society for Range Management "President's Award"

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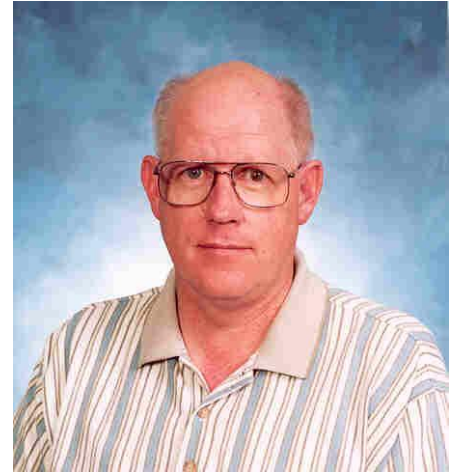
Kelly W. Allred

Title: Professor of Range Science

Major Field of Interest: Plant Taxonomy and Grasses of the Southwest

Education:

- B.S., Botany, Brigham Young University, Provo, Utah, 1974
- M.S., Botany, Brigham Young University, Provo, Utah, 1975
- Ph.D., Range Science, Texas A&M University, College Station, Texas, 1979



Courses Taught:

- Range Science 307 - Range Grasses
- Range Science 316 - Range Plants
- Range Science 406 - Plant Judging Team
- Range Science 448 - Special Courses in Nomenclature: Botanical Latin, and Bryology

Research:

- Grass taxonomy, especially *Aristida*, *Bothriochloa*; Grasses of New Mexico; Flora of New Mexico

Extension:

- Plant Identification Specialist (15 percent)

Other:

- Coach of the Range Plant Identification Team

Honors and Awards:

- National Association of Colleges and Teachers of Agriculture Teaching Award of Merit
- Society for Range Management's "Outstanding Achievement Award"

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Derek Bailey

Title: Professor of Range Science

Major Field of Interest: Large herbivore grazing behavior, both modeling and empirical approaches; GPS-based animal tracking; rangeland livestock production; rangeland and riparian area management; livestock-wildlife interactions.



Education:

- B.S., Animal Science, Colorado State University, 1980
- M.S., Animal Science, Colorado State University, 1985
- Ph.D., Range Science, Colorado State University, 1988

Courses Taught:

- Range Science 509 - Approaches to Rangeland Research

Research:

- 5 year goal: Develop and evaluate sustainable and profitable management practices for rangeland livestock operations.
- Most significant research accomplishments:
- Developed strategy to lure cattle to underutilized rangeland using dehydrated molasses supplement.
- Determined that low-stress herding of cattle is an effective technique to protect riparian areas.
- Demonstrated differences between cattle breed in their use of foothills rangeland.
- Evaluation of cattle movement patterns using GPS tracking collars and simulation models.

Other:

- Director, Chihuahuan Desert Rangeland Research Center

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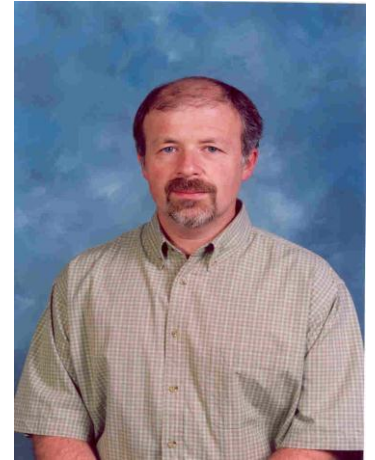
Andrés F. Cibils

Title: Associate Professor of Range Science

Major Field of Interest: Grazing management and ecology

Education:

- B.S., Animal Science (Ingeniero Zootecnista), Universidad Nacional del Lomas de Zamora, Buenos Aires, Argentina, 1984
- M.S., Rangeland Ecosystem Science, Colorado State University, Fort Collins, Colorado, 1996
- Ph.D., Rangeland Ecosystem Science, Colorado State University, Fort Collins, Colorado, 1999



Courses Taught:

- Range Science 294 - Rangeland Resource Management
- Range Science 460 - Advanced Rangeland Management

Research:

- Animal-plant interactions; foraging behavior of domestic ungulates; diet and habitat selection by cattle and sheep; manipulation of animal behavior to accomplish rangeland management objectives

Awards:

- 2008 Recipient of “National Association of Colleges and Teachers of Agriculture Award of Merit” by College of Agricultural, Consumer, and Environmental Sciences
- Society for Range Management – Range Science Education Council’s “Early Career Teaching Award”

Other:

- Advisor, The Range Club

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Sam Fernald

Title: Professor of Watershed Management; Interim Director, Water Resources Research Institute

Major Field of Interest: Water quality hydrology

Education:

- B.A., International Relations, Stanford University
- M.E.M., Water and Air Resources, Duke University
- Ph.D., Watershed Science, Colorado State University

Courses Taught:

- Forestry and Society
- Watershed Management
- Advanced Watershed Management

Research:

- Land use effects on infiltration, runoff, sediment yield, and nonpoint source pollution. Effects of surface water/groundwater exchange on water availability and water quality.

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Amy Ganguli

Title: Assistant Professor of Range Science

Major Field of Interest: Disturbance Ecology and Plant Community Recovery

Education:

- B.S., Wildlife Biology and Management, University of Rhode Island, Kingston, Rhode Island, 1997
- M.S., Range Science, Texas Tech University, Lubbock, Texas, 2000
- Ph.D., Range Ecology/Crop Science, Oklahoma State University, Stillwater, Oklahoma, 2005



Courses Taught: (at NMSU)

- Range Science 307 – Rangeland Grasses
- Range Science 316 – Rangeland Plants

Research:

- Fire Ecology; Invasive species ecology and management; Restoration of native ecosystems

Honors and Awards:

- North Dakota State University Faculty Member of the Year, 2011-2012
- Society for Range Management “Outstanding Young Range Professional Award” 2010
- Oklahoma Society for Range Management “Trail Boss Award” - 2003

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Jerry L. Holechek

Title: Professor of Range Science

Major Field of Interest: Range Animal Nutrition, Range Wildlife Interactions, Grazing Management on Desert Ranges, and Physiology



Education:

- B.S., Biology/Wildlife, Oregon State University, Corvallis, Oregon, 1971
- M.S., Range Science, Montana State University, Bozeman, Montana, 1976
- Ph.D., Animal Science/Range Nutrition, Oregon State University, Corvallis, Oregon, 1980

Courses Taught:

- Range Science 294 - Range Management
- Range Science 317 - Range Communities
- Range Science 520 - Range Animal Ecology
- Range Science 611 - Principles/Evaluation of Range Improvements

Research:

- Field studies to evaluate the influence of grazing management practices on wildlife, vegetation and livestock productivity in Chihuahuan desert.
- Characterization of financial returns from range management practices in New Mexico.
- Development of government policies to improve rangeland condition and financial returns on ranches in the Western United States.

Honors and Awards:

- College of Agriculture /Home Economics "Distinguished Research Award"
- Society of Range Management "Outstanding Achievement Award"
- Society of Range Management "W.R. Chapline Research Award"
- Society for Range Management "Fredric G. Renner Award"

Email Address: holechek@nmsu.edu **Office Phone:** 575-646-1649

Kirk C. McDaniel

Title: Professor of Range Science

Major Field of Interest: Brush Ecology and Management

Education:

- B.S., Range and Wildlife Management, Humboldt State University, Arcata, California, 1972
- M.S., Rangeland Resources, Oregon State University, Corvallis, Oregon, 1974
- Ph.D., Range Science, Texas A&M University, College Station, Texas, 1978



Research:

- Taxonomy, ecology and control of major shrub and weed species found in New Mexico. Particular interest is evaluation efficacy of various herbicides on selected rangeland plants and determining plant successional changes following their control. (75 percent)

Extension

- Statewide responsibilities as range brush and weed control specialist. Assistance is given to county extension agents, ranchers, farmers, agency conservationists and others interested in brush management. (25 percent)

Other:

- Member of Range Improvement Task Force

Honors and Awards:

- College of Agriculture/Home Economics Fabian Garcia Founders Award of Excellence
- NM Society for Range Management "President's Award for Service"
- NM Society for Range Management "Rangeland Manager of the Year" Award
- Society for Range Management "W. R. Chapline Research Award"
- University Research Council Award for Exceptional Achievement in Creative
- Scholarly Activity (Distinguished Career Category)

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