

RESUME

Jerry L. Holechek, Ph.D.
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RESUME

1. NAME Jerry L. Holechek
2. TITLE AND SPECIALIZATION

Professor – Range Science
3. EDUCATION

B.S., Biology/ Natural Resource Management/Wildlife Science, Oregon State University,
1970

M.S., Mined Land Reclamation/Range Science, Montana State University, 1976

Ph.D., Animal Nutrition/Range Science, Oregon State University, 1980
4. NON-ACADEMIC, PROFESSIONAL AND RESEARCH EXPERIENCE

Oregon Wildlife Commission, Habitat Biologist, 1970-1971
 Worked on Wildlife Habitat Improvement Projects

U.S. Army, Field Artillery, 1971-1974

Montana State University, Research Assistant, 1974-1976
 Worked on Strip Mine Reclamation

Oregon State University, Research Assistant, 1976-1979
 Worked on Grazing and Range Nutrition

New Mexico State University, Professor, 1979-Present
 Work in Range Animal Ecology, Systems Ecology, and Range Economics
5. TEACHING EXPERIENCE

New Mexico State University, Professor in Range Animal Ecology, 1979-Present
6. PRESENT APPOINTMENT

Assistant Professor: 1979-1983
Tenure: 1984
Associate Professor: 1983-1987
Professor: 1987-Present

7. PERCENT OF BUDGETED TIME

Teaching: 30%
 Research: 70%

8. COURSES CURRENTLY TAUGHT AT NMSU

Fall Semester

RgSc 611	Principles and Evaluations of Range Improvements	3 credits	even numbered years
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Spring Semester

RgSc 294	Range Management	3 credits
RgSc 317	Range Communities	3 credits

9. COURSES TAUGHT IN PREVIOUS YEARS AT NMSU: (Total 11)

RgSc 294	Range Management
RgSc 317	Range Communities
RgSc 325	Range Improvements
RgSc 402	Undergraduate Seminar
RgSc 456	International Range Management
RgSc 471	International Range Livestock Production
RgSc 511	Noxious Plant Control
RgSc 513	Advanced Range Ecology
RgSc 515	Graduate Seminar
RgSc 520	Range Animal Ecology
RgSc 611	Principles and Evaluations of Range Improvements

10. NUMBER OF GRADUATE STUDENTS ADVISED

	<u>Present</u>	<u>1979-2012</u>
Masters	2	25
Ph.D.	1	19
Post-Doctoral	0	1

11. UNIVERSITY, COLLEGE, AND DEPARTMENT COMMITTEES

University

1986	Northcentral Departmental Review Committee
1995-1997	University Curriculum Committee

College

1988	Game Ranching Committee
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1989	Publications Committee
1989-1995-present	Promotion and Tenure Committee
2001	Ad Hoc Publications Committee

Departmental

1987-2018	Range Science Curriculum Committee
1987-2018	Range Science Graduate Committee
1989-2018	Promotion and Tenure Committee
1996-2018	Chihuahuan Desert Rangeland Research Center Steering Committee

12. PROFESSIONAL SOCIETIES

Society for Range Management
Gamma Sigma Delta

1984-1989	Newsletter Editor, NM Section, Society for Range Management
1987-1989	Information and Education Committee Chairman, NM Section, Society for Range Management
1990-1994	Editorial Board, Journal of Range Management, Society for Range Management
1992	President, NM Section, Society for Range Management
1992-1994	Advisory Council, Society for Range Management
1992-1997	Newsletter Editor, NM Section, Society for Range Management

13. NATIONAL AND STATE COMMITTEES:

1994	U. S. Department of Interior Committee on Grazing Fee Incentives
1998-2004	U.S. Department of Interior – Fish & Wildlife Service – Southwestern Willow Flycatcher Recovery Team
2001-2003	New Mexico Black-tailed Prairie Dog Working Group

14. TEN MOST SIGNIFICANT PUBLICATIONS: (Total 165 Refereed Journal Publications)

Holechek, J. L., R. D. Pieper, and C.H. Herbel. 2011. Range Management: Principles and Practices. Sixth Edition. Prentice-Hall, Upper Saddle, NJ.

Holechek, J. L., R. Cole, J. Fisher, and R. Valdez. 2003. Natural Resources: Ecology, Economics, and Policy. Pearson/Prentice-Hall, Upper Saddle River, NJ.

Holechek, J. L. 1988. An approach for setting the stocking rate. Rangelands 10:10-14.

Holechek, J. L. 1993. Policy changes on federal rangelands: A perspective. J. Soil and Water Conservation. 48:166-174.

Holechek, J. L., H. Gomes, F. Molinar, and D. Galt. 1999. Grazing studies: What we've learned. *Rangelands* 21(2):12-16.

Holechek, J. L. and D. Galt. 2000. Grazing intensity guidelines. *Rangelands* 22(2):20-26.

Holechek, J. L., D. Galt, J. Joseph, G. Khumalo, F. Molinar, and M. Thomas. 2003. Moderate and light grazing effects on Chihuahuan Desert rangelands. *J. Range Manage.* 56:101-106.

Holechek, J. L. 2002. Do most livestock losses to poisonous plants result from poor range management? *J. Range Manage.* 55:270-276.

Holechek, J. L., D. Galt, and G. Khumalo. 2006. Grazing and grazing exclusion effects on New Mexico shortgrass prairie. *Rangeland Ecol. Manage.* 59:655-660.

Holechek, J. L. 2009. Range livestock production, food, and the future. *Rangelands* 30(6):20-25.

15. OFF-CAMPUS CONSULTING:

Consultant, Albert Sabin, Attorney, Roswell, New Mexico, 1994

Consultant, Sheldon National Wildlife Refuge, 1994

Consultant, Greg Moore, Rancher, Wagon Mound, New Mexico, 1996

Consultant, U.S. Forest Service, Copper Creek Allotment Grazing Survey, 1996, 1997

Consultant, U.S. Forest Service, Y and Long Canyon Grazing Surveys, 1997

Consultant, Williams Cattle Company, L.S. Williams – Owner, Tatum, New Mexico, 1997

Consultant, U.S. Forest Service, Sacramento Allotment Grazing Survey, 1997

Consultant, University of New Mexico, Lode Star Project, 1997

Consultant, Lazy Triangle Anchor Ranch, 1997-2000

Consultant, Chilton Ranch, 1998-2017

Consultant, Mid Bar Ranch, Miera Gault – Owner, Animas, New Mexico, 1998

Consultant, York Ranch, 1999-2006

Consultant, Bear Creek Ranch, Alex Thal – Owner, Silver City, New Mexico, 1999 - 2016

Consultant, Burlington Northern Railroad, 2001-2004

Consultant, City of El Paso, 2000-2001

Consultant, Fitzgerald Ranch, Gerald Fitzgerald – Owner, Chromo, Colorado, 2000

Consultant, Mescalero Apache Reservation, 2003-2004

Consultant, Scientific Environmental Solutions, Kansas City, Missouri, 2001-2002

Consultant, Modrail Sperling Law Firm, 1998-2004

Consultant, Jicarilla Apache Reservation, 2002-2017

Consultant, Preston Bates Ranch, Reserve, NM, 2007

Consultant, Kay Perkins Ranch, Showlow, AZ, 2007-2008
Consultant, Murray and Judy Keeler Rancher, Hachita, New Mexico 2008-2016
Consultant, Mike Kane Ranch, Sheridan, WY, 2007-2008
Consultant, Mark Hatfield Ranch, Mountainair, New Mexico, 2007-2008

16. AWARDS:

U. S. Army Commendation Medal for Meritorious Service
Distinguished Research Award, College of Agriculture & Home Economics, NMSU,
1986
President's Award, New Mexico Section, Society for Range Management, 1997
Outstanding Achievement Award, Society for Range Management, Third highest award,
Society for Range Management 1998
W. R. Chapline Research Award, Society for Range Management,- Second highest
award, Society for Range Management award. 2005
Frederic G. Rennar Award, Society for Range Management, Highest, most prestigious
Society for Range Management award, 2012

17. LANGUAGES:

French 2 years of study
Spanish 3 years of study

18. NUMBER OF INVITED PAPERS: 34

19. NUMBER OF INVITED TALKS: 66

20. TOTAL NUMBER OF PROFESSIONAL PUBLICATIONS: 245

21. TOTAL NUMBER OF REFEREED JOURNAL ARTICLES: 165

22. TOTAL NUMBER OF BOOKS: 2

23. LISTING OF REFEREED JOURNAL ARTICLES:

*Data from Chihuahua Desert Rangeland Research Center used for economic analyses or
management guidelines.

**Study involving collection of field data on the Chihuahua Desert Rangeland Research
Center

***Results of a primary study with several years of data and major management implications
and guidelines. These are final project report studies.

1. Holechek, J. L. 1980. Livestock grazing impacts on rangeland ecosystems. J. Soil and
Water Cons. 35:162-165.

2. Holechek, J. L. 1980. Concepts concerning forage allocation to livestock and big game. *Rangelands* 2:158-160.
3. Vavra, M. and J. L. Holechek. 1980. Factors influencing microhistological analysis of herbivore diets. *J. Range Manage.* 33:371-374.
4. Holechek, J. L. 1981. Initial establishment of four species on a mine spoils. *J. Range Manage.* 34:76-77.
5. Holechek, J. L. 1981. A brief history of range management in the United States. *Rangelands* 3:16-18.
6. Holechek, J. L. 1981. Livestock grazing impacts on public lands: A viewpoint. *J. Range Manage.* 34:251-254 (invited paper).
7. Holechek, J. L. and M. Vavra. 1981. Effect of slide and frequency observation number on microhistological analysis. *J. Range Manage.* 34:337-338.
8. Holechek, J. L. 1981. Crested wheatgrass. *Rangelands* 3:151-153.
9. Holechek, J. L. 1981. Rangeland management for upland gamebirds. *Rangelands* 3:163-165.
10. Holechek, J. L., E. Deputit, J. G. Coenenberg, and R. Valdez. 1981. Fertilizer effects on seeding mixture establishment in southeastern Montana. *J. Soil and Water Cons.* 36:241-245.
11. Holechek, J. L., M. Vavra, and J. Skovlin. 1981. Diet quality and performance of cattle on forest and grassland range. *J. Animal Sci.* 53:291-299.
12. Holechek, J. L. 1981. Brush control impacts on rangeland wildlife. *J. Soil and Water Cons.* 36:265-270.
13. Holechek, J. L. 1982. Rangeland management for mule deer. *Rangelands* 3:18-24.
14. Holechek, J. L. 1982. Fertilizer effects on biomass relationships of four species. *J. Range Manage.* 35:39-43.
15. Holechek, J. L., M. Vavra, J. Skovlin, W. Krueger. 1982. Cattle diets in the Blue Mountains of Oregon, I. Grasslands. *J. Range Manage.* 35:109-112.
16. Holechek, J. L., M. Vavra, and R. D. Pieper. 1982. Methods for determining nutritive quality of range ruminant diets. *J. Anim. Sci.* 54:353-378 (invited paper).

17. Holechek, J. L. 1982. Sample preparation techniques for microhistological analysis. *J. Range Manage.* 35:267-269.
18. Holechek, J. L., B. Gross, S. Dabo, and T. Stephenson. 1982. Effects of growth stage and observer on microhistological analysis. *J. Wildl. Manage.* 46:502-505.
19. Holechek, J. L., M. Vavra, J. Skovlin, and W. Krueger. 1982. Cattle diets in the Blue Mountains of Oregon, II. Forests. *J. Range Manage.* 35:239-243.
20. Holechek, J. L. 1982. Root biomass on native range and mined lands in southeastern Montana. *J. Range Manage.* 35:185-188.
21. Holechek, J. L., E. Deput, J. Coenenberg, and R. Valdez. 1982. Legume establishment on mined lands in southeastern Montana. *J. Range Manage.* 35:298-300.
22. Holechek, J. L., M. Vavra, and R. D. Pieper. 1982. Methods for determining the botanical composition of range herbivore diets: a review. *J. Range Manage.* 35:309-316 (invited paper).
23. Holechek, J. L., E. Deput, J. Coenenberg, and R. Valdez. 1982. Long term plant establishment on mined lands in southeastern Montana. *J. Range Manage.* 35:522-525.
24. Arthun, D. and J. L. Holechek. 1982. The American Bison. *Rangelands* 4:123-126.
25. Holechek, J. L., R. Valdez, R. D. Pieper, S. Schemnitz, and C. Davis. 1982. Livestock grazing strategies for wildlife enhancement. *Wildl. Soc. Bull.* 10:204-210.
26. Holechek, J. L., J. S. Shenk, D. Arthun, and M. Vavra. 1982. Prediction of forage quality using near infrared spectroscopy of esophageal fistula samples from cattle on mountain range. *J. Anim. Sci.* 55:971-976.
27. Holechek, J. L. and B. D. Gross. 1982. Training needed for quantifying simulated diets from fragmented range plants. *J. Range Manage.* 35:644-647.
28. Holechek, J. L. and M. Vavra. 1982. Forage intake by cattle on forest and grassland range. *J. Range Manage.* 35:640-645.
29. Holechek, J. L., M. Vavra, and J. Skovlin. 1982. Cattle diet and performance on mountain meadows in Oregon. *J. Range Manage.* 35:652-655.
30. Holechek, J. L. and M. Vavra. 1982. A comparison of micro- and macro- digestion methods for fiber analysis. *J. Range Manage.* 35:746-748.
31. Holechek, J.L and B. D. Gross. 1982. Evaluation of diet calculation procedures for microhistological analysis. *J. Range Manage.* 35:743-745.

32. Holechek, J. L., D. Arthun, and M. Vavra. 1982. Relationships between cattle performance, diet nutritive quality, fecal nutritive quality and forage intake on forest and grassland range. *J. Range Manage.* 35:732-737.
33. Holechek, J. L. and C. Herbel. 1982. Seasonal suitability grazing in the western United States. *Rangelands* 4:252-255.
34. Gross, B.D., J. L. Holechek, D. Hallford, and R. D. Pieper. 1983. Effectiveness of antelope pass structures on the restriction of livestock. *J. Range Manage.* 36:22-25.
35. Holechek, J. L. and M. Vavra. 1983. Drought effects on diet and weight gains of yearling heifers in northeastern Oregon. *J. Range Manage.* 36:227-231.
36. Holechek, J. L. and M. Vavra. 1983. Fistula sample numbers required to determine cattle diets on forest and grassland range. *J. Range Manage.* 36:323-326.
37. Holechek, J. L. and T. Stephenson. 1983. Comparison of big sagebrush vegetation in northcentral New Mexico under moderately grazed and grazing excluded conditions. *J. Range Manage.* 35:455-457.
38. Gross, B. D., E. Mahgoub, and J. L. Holechek. 1983. Mastication effects on cattle diets determined by microhistological analysis. *J. Range Manage.* 36:475-477.
39. Holechek, J. L. 1983. Considerations concerning grazing systems. *Rangeland* 5:208-211.
40. Jasmer, G. and J. L. Holechek. 1984. Determining grazing intensity on rangelands. *J. Soil and Water Cons.* 39:32-36.
41. Holechek, J. L. 1984. Comparative contributions of grasses, forbs, and shrubs to the nutrition of range ungulates. *Rangelands* 6:245-248.
42. Stephenson, T. E., J. L. Holechek, and C. B. Kuykendall. 1985. Drought effect on pronghorn and other ungulate diets. *J. Wildl. Manage.* 49:146-152.
43. Holechek, J. L. and R. Valdez. 1985. Magnification and shrub stemmy material influences on fecal analysis accuracy. *J. Range Manage.* 38:350-352.
44. Holechek, J. L. and R. Valdez. 1985. Evaluation of in vitro digestion for improving botanical estimates of mule deer fecal samples. *J. Mammalogy* 66:574-577.
45. Wofford, H., J. L. Holechek, M. L. Galyean, J. D. Wallace, and M. Cardenas. 1985. Evaluation of fecal indices to predict cattle diet quality. *J. Range Manage.* 38:450-455.

46. Stephenson, T. E., J. L. Holechek and C. B. Kuykendall. 1985. Diet of four ungulates on winter range in northcentral New Mexico. *Southwestern Naturalist* 30:55-58.
47. Mubanga, G., J. L. Holechek, R. Valdez, and S. D. Schemnitz. 1985. Relationships between diet and fecal nutritive quality in mule deer. *Southwestern Naturalist* 30:64-67.
48. Holechek, J. L., M. L. Galyean, H. Wofford, D. Arthun, and J. D. Wallace. 1985. Relationships between cattle forage intake and fecal physical characteristics. *Nutrition Repts. Int'l.* 4:371-376.
49. Holechek, J. L., M. L. Galyean, J. D. Wallace, and H. Wofford. 1985. Evaluation of fecal indices for predicting phosphorus status of cattle. *Grass and Forage Science.* 10:332-336.
50. Holechek, J. L. and C. H. Herbel. 1986. Supplementing range livestock. *Rangelands* 8:29-33.
51. Holechek, J. L., H. Wofford, D. Arthun, M. L. Galyean, and J. D. Wallace. 1986. Evaluation of total fecal collection for measuring cattle forage intake. *J. Range Manage.* 39:2-4.
52. Holechek, J. L., T. J. Berry, and M. Vavra. 1987. Grazing system influences on cattle performance on mountain range. *J. Range Manage.* 40:55-59.
53. Hakkila, M. D., J. L. Holechek, J. D. Wallace, D. M. Anderson, and M. Cardenas. 1987. Diet and forage intake of cattle on desert grassland range. *J. Range Manage.* 40:339-342.
54. Roth, T. E., J. L. Holechek, and M. Y. Hussain. 1987. Germination response of three globemallow species to chemical treatment. *J. Range Manage.* 40:173-175.
55. Musimba, N. K. R., M. L. Galyean, J. L. Holechek, and R. D. Pieper. 1987. Ytterbium-labeled forage as a marker for estimation of cattle fecal output. *J. Range Manage.* 40:418-421.
56. Mahgoub, E. F., R. D. Pieper, J. L. Holechek, J. D. Wright, and V. W. Howard, Jr. 1987. Botanical content of mule deer diets in southcentral New Mexico. *New Mexico J. Sci.* 27:21-27.
57. Holechek, J. L. 1988. An approach for setting the stocking rate. *Rangelands* 10:10-14.
58. Hakkila, J., J. L. Holechek, J. D. Wallace, D. M. Anderson, and M. Cardenas. 1988. Fecal indicators of cattle protein status on desert grassland range. *Nutrition Reports. Int'l.* 37:137-147.

59. Holechek, J. L., R. E. Estell, M. L. Galyean, and W. Richards. 1989. Chemical composition, in vitro digestibility, and in vitro VFA concentrations of New Mexico native forages. *Grass and Forage Science* 44:101-108.
60. Holechek, J. L., R. E. Estell, C. B. Kuykendall, R. Valdez, M. Cardenas, and G. Nunez-Hernandez. 1989. Seeded wheatgrass yield and nutritive quality on New Mexico sagebrush range. *J. Range Manage.* 42:118-122.
61. Holechek, J. L., C. B. Kuykendall, J. Jeffers, R. Valdez, and M. Cardenas. 1989. Manipulation of north central New Mexico rangeland to increase pronghorn and mule deer forage. *New Mexico J. Sci.* 29:51-60.
62. Nunez-Hernandez, G., J. L. Holechek, J. D. Wallace, M. L. Galyean, A. Tembo, R. Valdez, and M. Cardenas. 1989. Influence of native shrubs on nutritional status of goats: nitrogen retention. *J. Range Manage.* 42:228-232.
63. Holechek, J. L., A. V. Munshikpu, L. Saiwana, G. Nunez-Hernandez, R. Valdez, J. D. Wallace, and M. Cardenas. 1990. Influences of six shrub diets varying in phenol content on intake and nitrogen retention by goats. *J. Tropical Grasslands* 24:93-98.
64. Boutouba, A., J. L. Holechek, M. L. Galyean, G. Nunez-Hernandez, J. D. Wallace, and M. Cardenas. 1990. Influence of two native shrubs on goat nitrogen status. *J. Range Manage.* 43:530-534.
65. Hamedeh, S., C. V. Hulet, R. R. Rouda, and J. L. Holechek. 1990. Supplementation effects on sheep diet and weight on semi-desert range. *Sheep Ind. Dev. Res. Dig.* 7:162-167.
66. *Holechek, J. L. 1991. Chihuahuan desert rangeland, livestock grazing and sustainability. *Rangelands* 13:115-120.
67. Nunez-Hernandez, G., J. D. Wallace, J. L. Holechek, M. L. Galyean, and M. Cardenas. 1991. Condensed tannins and nutrient utilization by lambs and goats fed low-quality diets. *J. Animal Sci.* 69:1167-1177.
68. Nunez-Hernandez, G., J. D. Wallace, J. L. Holechek, M. L. Galyean, D.W. King, and R.M. Kattnig. 1991. Mountain mahogany and cottonseed meal as supplements for grass hay. *J. Range Manage.* 44:497-500.
69. Neel, J. P., D. M. Manzanares, H. E. Kiesling, J. L. Holechek, G. B. Donart, T. Goodman, and M. Southward. 1991. Cattle diets on riparian and upland New Mexico pinyon-juniper range. *New Mexico J. Sci.* 31:84-88.
70. *Holechek, J. L. and R. D. Pieper. 1992. Estimation of stocking rate on New Mexico rangelands. *J. Soil and Water Conser.* 47:116-119.

71. *Holechek, J. L. 1992. Financial aspects of cattle production in the Chihuahuan Desert. *Rangelands* 14:145-149.
72. *Holechek, J. L. 1992. Financial benefits of range management practices in the Chihuahuan Desert. *Rangelands* 14:179-184.
73. Nunez-Hernandez, R., J. L. Holechek, D. Arthun, A. Tembo, J. D. Wallace, M. L. Galyean, M. Cardenas, and R. Valdez. 1992. Evaluation of fecal indicators for assessing energy and nitrogen status of cattle and goats. *J. Range Manage.* 45:143-147.
74. Arthun, D., J. L. Holechek, J. D. Wallace, M. L. Galyean, M. Cardenas, and S. Rafique. 1992. Forb and shrub influences on steer nitrogen retention. *J. Range Manage.* 45:133-136.
75. Arthun, D., J. L. Holechek, J. D. Wallace, M. L. Galyean, and M. Cardenas. 1992. Forb and shrub effect on ruminal fermentation in cattle. *J. Range Manage.* 45:519-522.
76. Alipayo, D., R. Valdez, J. L. Holechek, and M. Cardenas. 1992. Evaluation of microhistological analysis for determining ruminant diet botanical composition. *J. Range Manage.* 45:148-152.
77. Rafique, S., J. D. Wallace, J. L. Holechek, M. L. Galyean, and D. Arthun. 1992. Influence of forbs and shrubs on nutrient digestion and balance in sheep fed grass hay. *Small Ruminant Res.* 7:113-122.
78. Holechek, J. L. 1993. Policy changes on federal rangelands: A perspective. *J. Soil and Water Conser.* 48:166-174 (invited paper).
79. Holechek, J. L. and J. Hawkes. 1993. Desert and prairie ranching profitability. *Rangelands* 15:70-75.
80. **Daniel, A., J. L. Holechek, R. Valdez, A. Tembo, L. Saiwana, and M. Cardenas. 1993. Range condition influences on Chihuahua Desert cattle and jackrabbit diets. *J. Range Manage.* 46:296-301.
81. **Daniel, A., J. L. Holechek, R. Valdez, A. Tembo, L. Saiwana, and M. Cardenas. 1993. Jackrabbit densities on fair and good condition Chihuahua desert range. *J. Range Manage.* 46:524-528.
82. Holechek, J. L. and K. Hess, Jr. 1994. Free market policy for public land grazing. *Rangelands* 16:63-67.
83. Holechek, J. L., J. Hawkes, and T. D. Darden. 1994. Macro-economics and cattle ranching. *Rangelands* 19:193-194.

84. Holechek, J. L. and K. Hess, Jr. 1994. Brush control considerations: A financial perspective. *Rangelands* 16:193-194.
85. Holechek, J. L. 1994. Financial returns from different grazing management systems in New Mexico. *Rangelands*. 16:237-240.
86. **Holechek, J. L., A. Tembo, A. Daniel, M. J. Fusco, and M. Cardenas. 1994. Long term grazing influences on Chihuahuan desert rangeland. *Southwestern Naturalist* 39:342-349.
87. **Smith, G., J. L. Holechek, and M. Cardenas. 1994. Cattle diets on excellent and good condition Chihuahua desert rangelands. *J. Range Manage.* 47:405-409.
88. Rafique, S., J. D. Wallace, M. L. Galyean, and J. L. Holechek. 1994. Influence of forbs and shrubs on ruminal fermentation and digested kinetics in sheep fed a grass hay/straw diet. *J. Agro Forestry Systems* 24:95-104.
89. **Fusco, M., J. L. Holechek, A. Tembo, A. Daniel, and M. Cardenas. 1995. Grazing influences on watering point vegetation in the Chihuahua desert. *J. Range Manage.* 48:32-38.
90. **Clemente, F., R. Valdez, J. L. Holechek, and M. Cardenas. 1995. Pronghorn home range relative to permanent water in southern New Mexico. *Southwestern Naturalist* 40:23938-41.
91. Holechek, J. L. and K. Hess, Jr. 1995. Government policy influences on rangeland conditions in the United States: A case example. *J. Environmental Monitoring and Assessment*. 37:1-9 (invited paper).
92. Hess, K., Jr. and J. L. Holechek. 1995. Policy roots of land degradation in the Arid Region of the United States: An overview. *J. Environmental Monitoring and Assessment*. 37:10-19 (invited paper).
93. Mohammad, A., R. D. Pieper, J. D. Wallace, J. L. Holechek, and L. Murray. 1995. Comparison of fecal analysis and rumen evacuation techniques for sampling diet botanical composition of grazing cattle. *J. Range Manage.* 48:202-206.
94. Holechek, J. L. and K. Hess, Jr. 1995. The emergency feed program. *Rangelands* 17:133-136.
95. **Warren, A., J. L. Holechek, and M. Cardenas. 1996. Honey mesquite influences on Chihuahua desert vegetation. *J. Range Manage.* 49:46-52.
96. Holechek, J. L. 1996. Drought and low cattle prices: hardship for New Mexico ranchers. *Rangelands* 18:11-13.

97. Holechek, J. L. 1996. Financial returns and range condition on southern New Mexico ranches. *Rangelands* 18:52-56.
98. Holechek, J. L. and K. Hess, Jr. 1996. Grazing lands: Prices, value and the future. *Rangelands* 18:102-105.
99. **Smith, G., J. L. Holechek and M. Cardenas. 1996. Wildlife numbers on excellent and good condition Chihuahuan desert rangelands. *J. Range Manage.* 49:489-493.
100. Holechek, J. L. 1996. Drought in New Mexico: prospects and management. *Rangelands* 18:225-227.
101. Holechek, J. L. and K. Hess, Jr. 1997. Market forces would benefit rangelands. *Forum for Appl. Res. & Public Policy* 11:10-15. (invited paper)
102. Holechek, J. L. and K. Hess, Jr. 1997. The grazing fee smokescreen. *Forum for Appl. Res. & Public Policy* 11:16-17. (invited paper)
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Howard, V. W., Jr., J. L. Holechek, R. D. Pieper, K. Green-Hammond, M. Cardenas, and S. L. Beasom. 1990. Habitat requirements for pronghorn on rangeland impacted by livestock and net wire in east central New Mexico. New Mexico Agr. Exp. Sta. Bull. 750.

26. Recruiting Activities – New Mexico State University, 2005-Present

In the period from 2005 through 2017, I have actively recruited for the Department of Animal and Range Sciences at New Mexico State University. In this period, I have made 535 visits to high schools and colleges in New Mexico and southwest Texas (El Paso area). I gave 20 to 60 minute presentations on most of these visits. Enrollment in both the animal science and range science programs has significantly increased since I started my recruiting program.

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