

**J. Derek Scasta**  
 University of Wyoming  
[jscasta@uwyo.edu](mailto:jscasta@uwyo.edu)  
 307-314-2615

### **ACADEMIC PREPARATION**

- Ph.D. Natural Resource Ecology and Management, Oklahoma State University (8/2014)**  
*Dissertation: Implications of pyric-herbivory on Central North American grassland ecology, management and production*  
 Advisor: Dr. Dave Engle
- M.S. Crop Science, Texas Tech University (12/2008)**  
*Thesis: Screening of alfalfa (Medicago sativa) cultivars for salt tolerance in west Texas*  
 Co-Advisors: Dr. Calvin Trostle and Dr. Mike Foster
- B.S. Rangeland Ecology and Management, Texas A&M University (5/2004)**  
*Option: Watershed management*

### **CERTIFICATIONS**

- **Certified Wildland Fire Ecologist**, Association for Fire Ecology (2015 - Present)
- **Certified Professional in Rangeland Management (CPRM)**, Society for Range Management (2011 – Present) #CP11-002
- **Human Subjects Research, Social/Behavioral Research Course**. Collaborative Institutional Training Initiative Reference ID 14521599 (Completed 9/2/2015; Expires 9/1/218).
- **Wildlife Research, Lab Animal Research Course**. Collaborative Institutional Training Initiative Reference ID 14521600 (Completed 11/7/2014; Expires 11/6/2017).
- **Non-Commercial Applicator License**, Texas Department of Agriculture, #0438413  
 Category 1C – Weed and Brush Control for Pasture and Rangeland (2005 - 2011)

### **PROFESSIONAL EXPERIENCE**

- |                  |  |
|------------------|--|
| 8/2014 – Present | <b>University of Wyoming</b> , Department of Ecosystem Science and Management, Assistant Professor, Extension Rangeland Specialist, and Plant-Herbivore Interactions Ecologist |
| 5/2011 – 8/2014  | <b>Oklahoma State University</b> , Department of Natural Resource Ecology and Management, Graduate Research Associate  |
| 2/2007 – 5/2011  | <b>Texas A&amp;M University System</b> , Texas AgriLife Extension Service, Navarro County Extension Agent - Agriculture and Natural Resources                                  |
| 9/2004 – 2/2007  | <b>Texas A&amp;M University System</b> , Texas AgriLife Extension Service, Ward County Extension Agent - Agriculture & Natural Resources; 4-H Coordinator                      |

### **PUBLICATIONS** (undergraduate student<sup>†</sup>; graduate student<sup>‡</sup>)

#### ***PEER REVIEWED PAPERS***

*Accepted, In Press, or In Print*

2016

**Scasta, J.D.**, J.L. Beck, and **C.L. Angwin**<sup>†</sup>. *Accepted 1/5/2016, In Press*. Meta-analysis of wild horse diet composition and potential conflict with livestock and wild ungulates on western rangelands of North America. *Rangeland Ecology and Management* doi:10.1016/j.rama.2016.001

2015

**Scasta, J.D.**, **L. Henderson**<sup>‡</sup>, and T. Smith. 2015. Drought effect on weaning weight and efficiency relative to cow size in semi-arid rangeland. *Journal of Animal Science* 93(12):5829-5839. doi:10.2527/jas2015-9172

**Scasta, J.D.**, E.T. Thacker, T.J. Hovick, D.M. Engle, B.W. Allred, S.D. Fuhlendorf, and J.R. Weir. 2015. Patch-burn grazing (PBG) as an alternative for livestock production in fire-prone ecosystems of North America. *Renewable Agriculture and Food Systems* doi:10.1017/S1742170515000411

**Scasta, J.D.**, **J.L. Windh**<sup>†</sup>, T. Smith, and B. Baumgartner. 2015. Drought consequences for cow-calf production in Wyoming: 2011-2014. *Rangelands* 37(5):171-177. doi:10.1016/j.rala.2015.07.001

- Scasta, J.D.**, D.M. Engle, S.D. Fuhlendorf, D.D. Redfearn, and T.G. Bidwell. 2015. Meta-analysis of exotic forages as invasive plants in complex multi-functioning landscapes. *Invasive Plant Science and Management* 8(3):292-306. doi:10.1614/IPSM-D-14-00076.1
- Scasta, J.D.** 2015. Livestock parasite management on high-elevation rangelands: ecological interactions of climate, habitat, and wildlife. *Journal of Integrated Pest Management* 6(1):1-12. doi:10.1093/jipm/pmv008
- Scasta, J.D.**, D.M. Engle, J.L. Talley, J.R. Weir, S.D. Fuhlendorf, and D.M. Debinski. 2015. Drought influences control of parasitic flies of cattle on pastures managed with patch-burn grazing. *Rangeland Ecology and Management* 68(3):290-297. doi:10.1016/j.rama.2015.03.001
- Scasta, J.D.**, J.R. Weir, and D.M. Engle. 2015. Assessment of experiential education in prescribed burning for current and future natural resource managers. *Fire Ecology* 11(1):88-105. doi:10.4996/fireecology.1101088
- Scasta, J.D.** 2015. Fire suppression and parasites: an under-recognized form of anthropogenic land use change and mechanism of disease exposure. *EcoHealth* 12(3): 398-403. doi:10.1007/s10393-015-1024-5

#### 2014

- Scasta, J.D.**, D.M. Engle, R.N. Harr, and D.M. Debinski. 2014. Fire induced reproductive mechanisms of a *Symphoricarpos* (Caprifoliaceae) shrub after dormant season burning. *Botanical Studies*. 55:80. doi:10.1186/s40529-014-0080-4
- Allred, B.W., **J.D. Scasta**, T.J. Hovick, S.D. Fuhlendorf, and R.G. Hamilton. 2014. Spatial heterogeneity stabilizes livestock productivity in a changing climate. *Agriculture, Ecosystems and Environment*. 193:37-41. doi:10.1016/j.agee.2014.04.020
- Weir, J.R., and **J.D. Scasta**. 2014. Ignition and fire behavior of *Juniperus virginiana* in response to live fuel moisture and fire temperature in the southern Great Plains. *International Journal of Wildland Fire*. 23:839-844. doi:10.1071/WF13147
- Scasta, J.D.**, J.R. Weir, D.M. Engle, and J.D. Carlson. 2014. Combustion of cattle fecal pats ignited by prescribed fires. *Rangeland Ecology and Management*. 67(2):229-233. doi:10.2111/REM-D-13-00113.1
- Scasta, J.D.**, and B.S. Rector. 2014. Drought and ecological site interaction on plant composition of a semi-arid rangeland. *Arid Land Research and Management*. 28(2): 197-215. doi: 10.1080/15324982.2013.824046

#### Prior to 2014

- Scasta, J.D.**, D.M. Engle, J.L. Talley, J.R. Weir, J.C. Stansberry, S.D. Fuhlendorf, and R.N. Harr. 2012. Pyric-herbivory to manage horn flies (Diptera: Muscidae) on cattle. *Southwestern Entomologist*. 37: 325-334 doi:10.3958/059.037.0308
- Scasta, J.D.**, C.L. Trostle, and M. A. Foster. 2012. Evaluating alfalfa (*Medicago sativa* L.) cultivars for salt tolerance using laboratory, greenhouse and field methods. *Journal of Agricultural Science*. 4(6): 90-103 doi:10.5539/jas.v4n6p90
- Scasta, J.D.** 2012. Ranch logistics and rancher perceptions of the BioPryn® blood test for pregnancy determination in beef cattle. *Journal of Extension*. 50(1).
- Scasta, J.D.**, C.W. Hanselka, and C.R. Hart. 2011. Introducing the concept of prescribed fire as a natural resource management tool in a non-traditional burning area of Texas. *Journal of the National Association of County Agriculture Agents* 4(1).
- Scasta, J.D.** 2010. Monitoring utilization of pasture and rangeland forage to assist grazing management decisions: a Central Texas county case study. *Journal of the National Association of County Agriculture Agents* 3(1).

#### PEER-EDITED EXTENSION PRODUCTS

##### 2015

- Scasta, J.D.** 2015. B-1271 Wildland fire in Wyoming: patterns, influences, and effects. *University of Wyoming Extension Bulletin*.
- Smith, M., A. Garrelts, B. Sebade, W. Kelley, S. Schell, M. Smith, **J.D. Scasta**, R. Mealor, and B. Stam. 2015. B-1265 Rangeland Plants: Wyoming Tough. *University of Wyoming Extension Plant Book*, 170 p.

##### 2014

- Scasta, J.D.** 2014. B-1260 Dietary composition and conflicts of livestock and wildlife on rangeland. *University of Wyoming Extension Bulletin*.

#### Prior to 2014

- Weir, J.R., **J.D. Scasta**, R. Stevens, and T.G. Bidwell. 2013. Burn Plan for Prescribed Burning. *Oklahoma Cooperative Extension Service Factsheet*. E-2893.
- Scasta, J.D.** 2013. Application of patch-burn grazing for landowners. *Great Plains Fire Science Exchange Factsheet*. 2013-19.
- Scasta, J.D.** 2013. Patch-burn grazing to manage fuels, ignition and wildfire spread. *Great Plains Fire Science Exchange Factsheet*. 2013-20.
- Weir, J.R., S.D. Fuhlendorf, D.M. Engle, T.G. Bidwell, D.C. Cummings, D. Elmore, R.F. Limb, B.W. Allred, **J.D. Scasta, J.D.**, and S.L. Winter. 2013. Patch-burning: Integrating fire and grazing to promote heterogeneity. *Oklahoma Cooperative Extension Service Factsheet*. E-998.
- Allred, B.W., **J.D. Scasta**, and S.D. Fuhlendorf. 2012. Influence of fire on grazing distribution. eXtension Prescribed Fire Community of Practice invited article.
- Scasta, J.D.** 2012. Using fire to manage horn flies on cattle. eXtension Prescribed Fire Community of Practice invited article.
- Scasta, J.D.**, B.W. Allred, and S.D. Fuhlendorf. 2012. Influence of fire on cattle forage quality. eXtension Prescribed Fire Community of Practice invited article.

*PROCEEDINGS, REPORTS AND PROTOCOLS PREPARED FOR GOVERNMENTAL AGENCIES*

(undergraduate student<sup>†</sup>; graduate student<sup>‡</sup>)

2016

- Bureau of Land Management – Rawlins Field Office (requested). 2016. *Shrub browse quality response to fire and mechanical treatment – Report for the Rawlins BLM Field Office*.
- University of Wyoming, Agriculture Experiment Station Field Day Bulletin. 2016. *Influence of ewe breed and age on sheep ked (*Melophagus ovinus* (L.)) infestations, In Review*. (**J.D. Scasta** and K. Koepke).
- University of Wyoming, Agriculture Experiment Station Field Day Bulletin. 2016. *Strategic sheep grazing effects on yellow sweetclover (*Melilotus officinalis* (L.) Lam.) Dominance and Structure, In Review*. (**J.D. Scasta** and K. Koepke).
- Thunder Basin Research Initiative Partners. 2016. *Annual Report 2015: Interactive effects of herbivory and disturbance on plant communities in the Thunder Basin National Grassland, Wyoming*. (L.C. Connell<sup>‡</sup>, L. Porensky, **J.D. Scasta**)

2015

- USDA Northern Plains Regional Climate Hub (requested). 2015. *Effects of weather and climate variability on livestock production and potential adaptation strategies*.
- USDA Northern Plains Regional Climate Hub (requested). 2015. *Effects of climate variability and extreme events on rangeland ecology*.
- USDA Northern Plains Regional Climate Hub (requested). 2015. *Effects of weather and climate variability on grassland fires*.
- Leopold Center for Sustainable Agriculture. *Final Report for Project E2012-01: The Complex role of tall fescue in grassland ecology*.
- Nebraska Grazing Conference Proceedings. 2015. *Prescribed fire effects and benefits for cattle*, p. 92-97. Ed. Pam Murray, Center for Grassland Studies, Institute for Agriculture and Natural Resources, University of Nebraska-Lincoln, August 12, 2015, Kearney, NE, USA.
- United States Forest Service - Medicine-Bow National Forest and Laramie Conservation District Staff, *Draft Protocol: Monitoring the effectiveness of the Pole Mountain Vegetation Project*.
- United States Forest Service – Bridger-Teton National Forest and Teton Conservation District Staff, *Draft Protocol: Acquiring baseline larkspur alkaloid and toxicity expression for BTNF allotments*.
- University of Wyoming, Sustainable Management of Rangeland Resources (SMRR) Extension Initiative Team, *Draft Protocol: Applied research opportunity - Seasonal expression of toxic compounds of poisonous plants*.
- University of Wyoming, Agriculture Experiment Station Field Day Bulletin. 2015. *Effects of drought on cow-calf production at UW research stations from 2011-2014*, p.83-84.
- University of Wyoming, Agriculture Experiment Station Field Day Bulletin. 2015. *Matching cow size to Wyoming rangeland conditions*, p. 37-38.

Prior to 2014

United States Department of Agriculture, National Agricultural Statistics Service Weekly Crop Reports, *Ward County, Texas: 2004-2007; Navarro County, Texas: 2007-2011*  
 Texas AgriLife Extension Service Annual Agricultural Increment Report, *Ward County, Texas: 2004-2006; Navarro County, Texas: 2007-2010*  
 Texas Comptroller of Public Accounts, Farm and Ranch Survey, *Ward County, Texas: 2005-2006; Navarro County, Texas: 2007-2010*

#### Book Reviews

**Scasta, J.D.** 2013. Book Review: Colorado Flora Eastern Slope: A Field Guide to the Vascular Plants. *Natural Areas Journal*. 33(4): 474-480.  
**Scasta, J.D.** 2012. Book Review: A Future in Flames. *Fire Ecology*. 18(3): 119.

#### Technology Development

Weir, J.R., D. Elmore, T.G. Bidwell, D.M. Engle, J.D. Carlson, S.D. Fuhlendorf, and **J.D. Scasta**. Prescribed Burning Handbook App Released Summer 2014. Web page based platform.  
<http://factsheets.okstate.edu/e1010/>

#### Reviewer Service for Journals

Acta Oecologia (1 – 2015)  
 African Journal of Agricultural Research (1 - 2012)  
 Applied Vegetation Science (1 – 2015, 1 - 2016)  
 Ecology and Evolution (1 – 2015)  
 Ecological Applications (1 – 2015)  
 Ecological Engineering (2 – 2014)  
 Fire Ecology (1 – 2012, Book Review)  
 Koedoe (African Protected Area Conservation and Science) (1 – 2015)  
 International Journal of Wildland Fire (1 – 2013, 1 - 2015)  
 Natural Areas Journal (1 – 2013, Book Review)  
 Natural Resource Modeling (1 – 2015)  
 Pest Management Science (1 – 2015)  
 Plant Ecology (1 – 2015)  
 Rangelands (1 – 2014)  
 Restoration Ecology (1 – 2015)  
 The Prairie Naturalist (1 – 2014)

#### Review Service for Agencies

The Nature Conservancy Interpretative Panel (1 – 2015)  
 University of Wyoming Agricultural Experiment Station Field Days Bulletin (2 – 2015)  
 University of Wyoming Extension Bulletin (1 – 2015)

#### **FUNDED GRANTS**

2016	University of Wyoming EPSCoR Undergraduate Research Fellowships Program. Application of the Robel pole visual obstruction method of determining grazing utilization relative to site, timing, precipitation, and repeatability. J. Windh, <b>J.D. Scasta \$5,300</b>
2016	University of Wyoming, Academic Affairs, Recruitment of Under-Represented Domestic Minority (URDM) Graduate Students Program. <i>Linking native American culture with the rangeland resources</i> . <b>J.D. Scasta</b> , D. Rodgers, P. Smith, C. Friday <b>\$41,448</b> .
2015	Arch Western Resources LLC, Thunder Basin Coal Company LLC. <i>UW Thunder Basin Research Initiative exclosure fence construction</i> . <b>J.D. Scasta \$20,000</b>
2015	Wyoming Department of Agriculture, Wild Horse Research Program – Wildlife (WHRP-W). <i>Wild horse spatial movement patterns across the public-private land matrix, rangeland habitat use, and interactions with wildlife and livestock</i> . <b>J.D. Scasta</b> , J.L. Beck, J.B. Dinkins <b>\$120,000</b>

- 2015 University of Wyoming Extension, Grant for Technology Equipment and Other Program Enhancements. *ESM range and soils Extension delivery enhancement*. S. Miller, **J.D. Scasta**, J. Norton **\$3,072**
- 2015 Wyoming Department of Agriculture, Agriculture Producer Research Grant Program (APRGP) – *Comparing cattle nutritional plane to forage quality to determine mineral intake and deficiencies*. B.E. Horn, **J.D. Scasta (Research Advisor) \$22,230**.
- 2015 University of Wyoming, Agricultural Experiment Station, USDA National Institute of Food and Agriculture McIntire Stennis Project. *Advancing landowner tools for use with the greater-sage grouse umbrella candidate conservation agreement with assurances (CCAA) for Wyoming ranch management*. **J.D. Scasta**, J. Tanaka **\$20,000**.
- 2015 University of Wyoming, Agricultural Experiment Station, USDA National Institute of Food and Agriculture McIntire Stennis Project – *Animal-plant interaction ecology on Wyoming Rangelands, 2015-2020*. Project# WYO-559-15. **J.D. Scasta \$53,750 (Eligibility for Departmental Capacity Research Funds)**.
- 2015 Wyoming Animal Damage Management Board. *Wyoming livestock predation trends and mitigation survey*. **J.D. Scasta. \$15,265**.
- 2015 Wyoming Open Spaces Initiative. *Do agricultural and environmental interest groups assign disparate values to Wyoming's Open Spaces?* **J.D. Scasta \$10,210**
- 2015 USDA Agriculture Research Service Graduate Assistantship. *Joint USDA-ARS UW grazing ecology M.S. research project*. **J.D. Scasta, J. Derner \$50,000**
- 2014 Thunder Basin Research Initiative. *Quantifying ecological dynamics and herbivore impacts in Thunder Basin*. **J.D. Scasta, L. Porensky \$70,335**
- 2013 Great Plains Fire Science Exchange. *Factsheets (Development of two factsheets on the application and benefits of patch-burning)*. **\$600**
- 2012 – 2015 Leopold Center for Sustainable Agriculture, Ecology Initiative. *The complex role of tall fescue in grassland ecology*. E2012-01, **\$86,333**, Diane Debinski (PI), Rebecca McCulley, Dave Engle, J. Derek Scasta (Co-PI's)
- 2008 – 2011 Navarro County Community Foundation, *support for general county extension programming and demonstration work*. **\$19,000**
- 2007 – 2011 Trinity River Authority - Clean Rivers Program, *support used for county Waste Management program which focused on watershed health*. **\$10,000**
- 2007 – 2011 Tarrant Regional Water District, *support used for county Waste Management which focused on watershed health*. **\$10,000**
- 2007 – 2009 Firestone Corporation Environmental Grant, *support used for county Waste Management program which focused on watershed health*. **\$4,500**
- 2010 Pactiv Corporation Grant, *support used for county Waste Management program which focused on watershed health*. **\$150**
- 2007 – 2008 Bank of America Trust and Grants, *support used for county Waste Management program which focused on watershed health*. **\$2,400**
- 2005 – 2007 Rio Grande Basin Initiative, *support used for water and natural resource projects in Ward County*. **\$7,500**. Abigail Pritchard Co-Awardee
- 2004 – 2007 T.C. Barnsley Foundation Grant, *support used for youth development and education activities administered through the 4H and Youth Development program*. **\$5,000**. Abigail Pritchard Co-Awardee
- 2005 – 2006 Friends of the National Rifle Association Grant, *support used for 4H shooting sports equipment*. **\$7,000**. Abigail Pritchard and Gary Wilhelm Co-Awardees.
- 2005 USDA - RC&D Matching Grant, *support used for Ward County Junior Master Gardener program*. **\$500**. Laura Wilhelm and Abigail Pritchard Co-Awardees.

### **RECENT MASS MEDIA TO NON-SCIENTIFIC AUDIENCES**

#### *Blog*

- 2015-Present 'Rangelands 4 You' <http://wyoextension.org/rangelands4u/> Blog that will make rangeland scientific research palatable and accessible for all. Date and the reference to the summarized article are in parenthesis.

#### *Newspaper/Magazine/Internet*

- 2016 *Feature Video*. Great Plains Fire Science Exchange. Webinar: Fire and parasites: implications for animal and human ecology and strategic management. <http://www.gpfirescience.org/events-webinars-source/2016/1/20/webinar-fire-effects-on-horn-flies-and-ticks>
- 2016 *Fire Science Round-up Winter 2016*, Great Plains Fire Science Exchange Blog, summary of *Renewable Agriculture and Food Systems* journal article on patch-burn grazing as a livestock management tool. <http://www.gpfirescience.org/research-publications-1/2016/1/8/winter-2016-fire-science-round-up>
- 2016 *Small, Moderate Cows Most Efficient in Wyo.* Wyoming Livestock Roundup 27(35): cover page and p.4.
- 2015 *Feature Video*. Southern Rockies Fire Science Exchange. Manipulating the fuel vs forage paradox. <http://www.southernrockiesfirescience.org/highlights-1/2015/9/17/fire-and-grazing-video-and-slides>  
Also featured by Great Plains Fire Science Exchange. <http://www.gpfirescience.org/events-webinars-source/2015/11/9/manipulating-the-fuel-vs-forage-paradox-dr-derek-scasta?rq=scasta>
- 2015 *Throw Away the Crutches: Mix of small-, moderate-sized cows the sweet spot (p. 6), Small cows provide higher efficiency (p.7).* Drovers Cattle Network Magazine, December Edition. <http://digitaled.cattlenetwork.com/December2015#&pageSet=1&contentItem=0>

### Television

- 2015 RFD-TV Season 6 – Out On the Land, Thunder Basin Research Initiative, August <http://outontheland.com/season-6-episode-74-rangeland-research-in-tbng-in-wyoming/>
- 2012 OSU Sun-Up (Stillwater, OK) Burning and Horn Flies, October Feature Story <http://sunup.okstate.edu/category/seg/2012seg/102712-flies>

### **SERVICE**

#### *Membership*

- Southern Rockies Fire Science Network - Leadership Team - 2015-Present  
Multistate Research and Information Exchange Groups  
    WERA 40 *Application and Utility of the Ecological Site and Condition Concept for Monitoring Rangeland Ecological Status in the Western U.S.– 2014 – Present; 2014 (Tucson, AZ)*  
    WERA 1008 *Rangelands West Partnership – 2014 (Reno, NV)*  
    W505 *Using Science Based Solutions in Conservation of Threatened and Endangered Species: Sage-Grouse Case Study - 2015*  
Association for Fire Ecology (AFE) – 2011-Present  
Society for Range Management (SRM), 2007-Present  
    Steering Committee for the journal *Rangelands*, 2016-Present  
    Wyoming Section (WYSSRM), 2014-Present  
    Oklahoma Section (OSSRM), 2011-2014  
    Texas Section (TSSRM), 2007-2014  
Natural Resource Ecology & Mgmt. Graduate Organization (NREM GSO), OSU, 2011-2014  
International Association of Wildland Fire (IAWF) – 2012-2014  
American Forage and Grassland Council (AFGC) – 2012-2014  
American Scientific Affiliation (ASA) – 2012-Present  
Texas County Agriculture Agents Association (TCAAA), 2004-2011

#### *Service and Leadership*

- NREM GSO, Secretary 2012/2013  
NREM GSO, Departmental Faculty Meeting Representative Alternate 2012/2013  
NREM GSO, Fundraising 2011  
NREM GSO, Departmental Secretary Landscape Project 2012  
TSSRM, Outstanding Rangeland Management Committee Member 2010, 2011  
TSSRM, Youth Activities Committee Chairman 2008, 2009  
TSSRM, Publication Awards Committee 2006  
TSSRM, Youth Range Workshop Director 2006, 2007, 2008, 2009, 2010

OSSRM, Young Professionals Committee - 2012  
 National SRM 2013 Oklahoma Meeting Program Committee  
 National SRM 2013 Oklahoma Meeting Publicity Committee  
 National SRM Rangeland Ecology Session Moderator, Oklahoma City, OK 2013  
 National SRM Nominations Committee 2 Terms (2013-2015 and 2016-2018)

#### *Extension Committee Service*

##### *Wyoming*

UW Sustainable Management of Rangeland Resources Initiative Team 2014 – Present  
 UW Collective Monitoring Issue Team 2014 – Present  
 UW AES Beef Unit Management Team 2014 – Present  
 UW AES Forage Management Team 2014 – Present  
 Thunder Basin Research Initiative – Conceptual and Proposal Guidance 2014  
 WSGA Range Service Team 2014 – Present  
 WERA 40 (Application and Utility of Ecological Site and Condition Concept for Monitoring Rangeland Ecological States in the Western US) – 2014 – Present; Secretary (2015), In-Coming Chair (2016)

##### *Texas*

Navarro County Youth Exposition Plant ID Contest 2009 – 2011, *Superintendent*  
 Navarro County Youth Exposition Commercial Heifer Division 2007 – 2011, *Advisor*  
 Navarro County Exposition Center Board 2007 – 2011, *Secretary*  
 Navarro County Youth Exposition Judging Contests 2008 – 2011, *Coordinator*  
 Western Navarro County Quail Restoration Initiative Committee 2007-2011, *Member*  
 Central Appraisal District - Agriculture Advisory Committee 2007 – 2011, *Member*  
 District 8 Extension 4H Range Evaluation Contest Committee 2010-2011, *Member*  
 Navarro County Animal Issues Committee 2008 – 2011, *Chairman*  
 Blackland Income Growth Executive Board 2007-2011, *Member*  
 Holiday Classic Livestock Clinic: Lamb Committee 2007 – 2011, *Member*  
 District 8 Extension Crops, Forage and Horticulture Committee 2008, 2010, *Member*  
 District 8 Extension Information Technology Planning Group 2010, *Member*  
 Ward County Livestock Show Board 2004 – 2007, *Advisor*  
 Trinity Basin Conservation Foundation - Habitat Restoration Committee 2007, *Member*  
 USDA - FSA Ward/Winkler County Emergency Board 2004-2006, *Member*  
 District 6 Extension 4-H Range Evaluation Contest Committee 2005 – 2006, *Member*  
 District 6 Extension 4-H Range and Plant ID Contest Committee 2005 – 2006, *Member*  
 Ward County Animal Issues Planning Committee 2006 – 2007, *Chair*

#### *Faculty Search Committees*

##### *Wyoming*

UW Department of Veterinary Sciences and Wyoming State Veterinary Laboratory, Parasitologist  
 Assistant Professor  
 UW Department of Ecosystem Science and Management, Wildland Watershed Management Assistant  
 Professor

#### **AWARDS AND RECOGNITION**

2015	University of Wyoming, College of Agriculture and Natural Resources, Outstanding Advisor Award, Nominated* and formally recognized as a nominee at the College level (*not the overall winner)
2015	University of Wyoming, Range Club Certificate of Appreciation for serving as Undergraduate Range Management Exam (URME) Coach, Presented at the annual banquet
2014	University of Wyoming, College of Agriculture and Natural Resources, Lawrence Meeboer Agricultural Teaching Award, Nominated* and formally recognized as a nominee at the College level (*not the overall winner)
2013	Society for Range Management, Graduate Student Scientific Poster Competition, PhD Level. First Place, “Combustion dynamics of cattle fecal pats”

2013	Oklahoma City Convention and Visitors Bureau, Hometown Heroes Team Award, to the 2013 SRM Planning Committee
2012 - 2013	Oklahoma State University, Williams Distinguished Graduate Fellowship
2012	NREM 5793 Advanced Prescribed Fire, 'Pyro of the Year' Graduate Student
2012	Society for Range Management, Graduate Student Oral Paper Competition, PhD Level. First Place, "Impact of patch-burn grazing management on fly pressure on range cattle in the Great Plains"
2011	National Association for County Agriculture Agents, Search for Excellence in Livestock Production Texas State Award Winner, Southern Regional Winner and Top Three National Finalist, "Beef Cattle Education in Navarro County".
2011 - 2013	Oklahoma State University, Sitlington Enriched Graduate Scholarship
2011	Navarro County Youth Exposition, Distinguished Service Award
2011	Society for Range Management, Excellence in Rangeland Management Poster Contest Winner (Submitted by Scasta and Goodwin), Billings, Montana.
2009	Texas AgriLife Extension Service, Superior Service Award Volunteerism
2009	District 8 Texas County Agriculture Agents Association, Early Career Agent Achievement Award
2009	Texas Section Society for Range Management, Photography Award, 1 <sup>st</sup> Place, Livestock Black and White Photo
2008	Texas Section Society for Range Management, County Level Award, County Extension Agent
2008	National Association for County Agriculture Agents – National Communication Awards, Southern Regional Finalist, Newsletter by Individual for the "Navarro County Beef & Forage News"
2007	USDA-CSREES National Water Program Award - Outstanding Integrated Activities for Water Resources for participation in the Rio Grande Basin Initiative (RGBI Team Award)
2005 - 2006	Harold and Mary Dregne Graduate Fellowship, Texas Tech University

### **TEACHING AND ADVISING**

#### ***UNIVERSITY OF WYOMING***

##### ***Teaching***

**Range Management Internship, *Problems in Human Dimensions of Range Management*.** REWM 4550, 2 credits

Spring 2016 – 1 Undergraduate Student

This is an internship course specifically designed for Kelsey Welter (B.S. Student) who is working for me on a Wyoming Open Spaces Initiative Grant, titled "*Do agricultural and environmental interest groups assign disparate values to Wyoming's Open Spaces?*"

**Investigation, Extension and Outreach.** REWM 5640, 2 credit hours

Spring 2016 – 1 Graduate Student

*This is an investigation course designed specifically for Leanne Connell (M.S. Student). We will review writing and developing resources for non-technical audiences.*

**Range Judging.** REWM 4793/5793, 2 credit hours

Spring 2015 - 5 Undergraduate Students

*I supervise enrolled students in preparing for the Undergraduate Range Management Exam (URME) contests at the Wyoming SRM Section Contest and the International SRM Contest. I also coordinated a field trip to the Sims Ranch in McFadden, WY and had students complete a one-page essay based on their experience.*

**Investigation, *Habitat Management*.** REWM 5640, 2 credit hours

Fall 2015 – 1 Graduate Student

*This is an investigation course designed specifically for Leanne Connell (M.S. Student). We will review the literature for the effects of habitat management and monitoring protocols for wildlife habitat in western North America.*

**Range Management Internship, *Diamond H Ranch*.** REWM 4550, 3 credit hours

Fall 2015 – 1 Undergraduate Student

*This is a ranch internship course specifically designed for Lisa Zezas (B.S. Student).**Undergraduate Student Advising***Range Club Advisor** – April 2015 to present**Undergraduate Range Management Exam (URME) Coach** – October 2014 to present

- 5<sup>th</sup> Place out of 24 Universities/Colleges at the 2016 SRM International Contest – Corpus Christ, TX.
- 1<sup>st</sup> Place out of 2 Universities/Colleges at the 2015 WY-SRM International Contest – Laramie, WY with the top three individuals.
- 3<sup>rd</sup> Place out of 25 Universities/Colleges at the 2015 SRM International Contest – Sacramento, CA. 3 Students ranked in the top 10.
- 1<sup>st</sup> Place out of 4 Universities/Colleges at the 2014 WY-SRM Section Contest – Evanston, WY.

*Graduate Student Advising*

Tami Plechaty, 2015-Present. M.S. ESM UW, Tentative Title – *Grazing ecology, animal performance, and diet composition using DNA sequencing in the mixed grass prairie of Wyoming and shortgrass steppe of Colorado*. Jointly advised with Dr. Justin Derner – USDA ARS.

Lauren Connell, 2015-Present. M.S. ESM UW, Tentative Title – *Quantifying ecological dynamics and herbivore impacts in the Thunder Basin of Wyoming*. Jointly advised with Dr. Lauren Porensky – USDA ARS.

Leanne Correll, 2015-Present. M.S. (Plan B – Non-Thesis) ESM UW, Tentative Title – *Advancing landowner tools for use with the greater-sage grouse umbrella conservation agreement with assurances (CCAA) for Wyoming Ranch Management*