

CURRICULUM VITAE

University of Idaho

NAME: April Hulet

DATE: December 21, 2017

RANK OR TITLE: Assistant Research Faculty/Extension Specialist

DEPARTMENT: Forest, Rangeland, and Fire Sciences

OFFICE LOCATION AND CAMPUS ZIP:

University of Idaho Boise, 322 E Front St., Office 221, 83702

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DATE OF FIRST EMPLOYMENT AT UI: August 16, 2015

DATE OF TENURE: Untenured

EDUCATION BEYOND HIGH SCHOOL:

Degrees: Ph.D., Brigham Young University, Provo, UT, April 2012, Wildlife and Wildland Conservation
M.S., Brigham Young University, Provo, UT, April 2009, Wildlife and Wildland Conservation
B.S., Southern Utah University, Cedar City, UT, May 2005, Biology

EXPERIENCE:

Teaching, Extension and Research Appointments:

- Assistant Research Faculty/Extension Range Specialist, University of Idaho, Boise, ID, January 2017-present.
- Assistant Professor, University of Idaho, Moscow, ID, August 2015-December 2016.
- Post-Doctoral Rangeland Ecologist, USDA-Agricultural Research Service, Burns, OR, April 2012-July 2015.
- Instructor, Brigham Young University, Provo, UT, Sept-Dec 2010.
- Utah Woodland Site Manager, Joint Fire Science Sagebrush Steppe Treatment Evaluation Project (SageSTEP), Brigham Young University, Provo, UT, June 2008-2012.
- Research Assistant/Field Supervisor, Joint Fire Science Sagebrush Steppe Treatment Evaluation Project (SageSTEP), Brigham Young University, Provo, UT, May 2006-June 2008.

TEACHING ACCOMPLISHMENTS:

Areas of Specialization:

Restoration Ecology, Applied Rangeland Ecology and Management, Fire Ecology, Remote Sensing and GIS

Courses Taught: (title, course number, date(s))

- Rangeland Principles, REM 151, Fall 2015, 2016, 2017, 2018 (*dual credit*)
- Systematic Botany, REM 341, Spring 2016
- Introduction to Restoration Ecology, REM 280, Spring 2017
- DS: Undergraduate Range Management Challenge, REM 299, Spring 2015, 2016
- Practicum: Rangeland Principles, REM 597, Fall 2015
- PD: Rangeland Teacher's Workshop, AGED 505 section 05, Summer 2017 and 2018
- PD: Weed Workshop, AGED 505 section 02, Summer 2017 and 2018
- PD: Google Earth Pro/Rangeland Management Teachers Workshop, AGED 505 section 12, Summer 2018

Students Advised:

Undergraduate Students: advised 4 undergraduate students to completion of degree:

- 1 Fall 2016, 2 Spring 2017, 1 Fall 2017, 2 Spring 2018

Graduate Students:

- Sarah Milligan, M.S. Environmental Science, May 2016
- Holly Cunningham, M.S. Natural Resources, May 2018
- Samuel Jake Price, M.S. Natural Resources, anticipated graduation August 2019

Served on graduate committee (student name, degree, and date)

- Samuel Wozniak, M.S. Natural Resources, anticipated graduation May 2019
- Katherine Wollstein, Ph.D., Natural Resources, anticipated graduation May 2021

Courses Developed:

- Systematic Botany, REM 341
- Introduction to Wildland Restoration, REM 280
- Rangeland Principles, REM 151 (online and dual credit)
- Google Earth Pro/GIS Hybrid Course (in collaboration with Oregon State University Extension).
- Weed Workshop, AGED 505 section 02
- Rangeland Teacher's Workshop, AGED 505 section 05

Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:

Invited Lectures:

- Restoration Ecology (REM 440; 2016), Wildland Plant Identification (REM 252; 2017)

Workshops:

- Rangeland Monitoring Workshop (July 2017 and 2018)
- Protecting our Rangeland Legacy for the Next Hundred Years, Eastern Idaho Grazing Association (February 2018; 25 participants)

Invited Papers/Presentations:

- "Explore new technologies: Rangeland Analysis Platform" A. Hulet and J. White. Mountain Home Sage-Grouse Working Group, November 2018
- "Preemptive management for resilient sagebrush plant communities" A. Hulet, C. Boyd, and K. Davies. Restoring Resilient Communities in Changing Landscapes, SER Regional Conference, October 2018
- "Managing rangeland before and after wildlife" A. Hulet. Fort Hall Beef School, February 2018 (35 participants).
- "Seed enhancement technologies to improve post-fire seedling establishment" A. Hulet, M.D. Madsen, and K.W. Davies. Idaho Noxious Weed Conference, Boise, ID, January 2018
- "Preemptive restoration strategies from a landscape perspective" A. Hulet, C.S. Boyd, K.W. Davies, and T.J. Svejcar. A Fine Fuels Management Field Day, Jordan Valley, OR, May 2017
- "Restoring sagebrush after mega-fires: success of different restoration methods across an elevation gradient" A. Hulet, K.W. Davies, M.D. Madsen, C.S. Boyd, and M. Gregg. SRM Annual Conference, St. George, UT, February 2017.
- "Grazing influences on area burned, fire behavior, and post-fire recovery in sagebrush communities" A. Hulet, K.W. Davies, and C.S. Boyd 43rd annual Hermiston Farm Fair, November 2016.
- "Applications of object-based image analysis on Rangeland Ecosystems" A. Hulet. University of Idaho Geography Seminar Series, September 2016.
- "Sagebrush and Fire: the good, the bad, and why we should care" A. Hulet. University of Idaho Forest, Rangeland, and Fire Sciences Seminar Series, March 2016.
- "Post-fire effects and restoration opportunities" A. Hulet, M.D. Madsen, and K.W. Davies. University of Idaho Rangeland Fall Forum, Jerome, ID, October 2015.

Invited Papers/Presentations (prior to joining University of Idaho):

- "The Use of Seed Enhancement Technologies to Improve Sagebrush Establishment across an Elevation Gradient" A. Hulet, K.W. Davies, M.D. Madsen, C.S. Boyd, M. Gregg. The Next Steppe: Sage-grouse and Rangeland Wildfire in the Great Basin Conference, Boise, ID, November 2014.
- "Characterizing Pinyon-Juniper Woodlands using High-Resolution Imagery." A. Hulet, S. Petersen, B. Roundy, and R. Jensen. SageSTEP 2011 Land Manager Workshop, Boise, ID, May 2011.
- "Crested Wheatgrass Control and Native Plant Establishment in Utah" A. Hulet B. Roundy, and B. Jessop. Rangeland Technology and Equipment Council (RTEC), Billings, MT, February 2011.
- "Sagebrush Steppe Treatment Evaluation Project, Evaluating the Effects of Fire and Fire Surrogate Treatments in Sagebrush Communities of the Great Basin" A. Hulet, B.A. Roundy, and B. Jessop. Utah Chapter of the Wildlife Society Annual Meeting, Moab, UT, March 2010.

Curriculum Development:

- Rangeland 4-H Skill-a-thon: youth study guide and adult coach guide, 2017-2018
- Land Stewardship on Rangelands: who owns and/or manages rangelands in Idaho (curriculum developed and published)

with IRRC), 2018

SCHOLARSHIP ACCOMPLISHMENTS:

Publications, Exhibitions, Performances, Recitals:

Peer Reviewed/Evaluated:

- Madsen, M.D., L. Svejcar, J. Radke, and A. Hulet. 2018. Inducing rapid seed germination of native cool season grasses with solid matrix priming and seed extrusion technology. *PLoS ONE* 13(10):e0204380
- Davies, K.W., C.S. Boyd, M.D. Madsen, J. Kerby, and A. Hulet. 2018. Evaluating a seed technology for sagebrush restoration across an elevation gradient: support for bet hedging. *Rangeland Ecology and Management* 71:19-24.
- Williams, R.E., B.A. Roundy, A. Hulet, R.F. Miller, R.J. Tausch, J.C. Chambers, J. Matthews, R. Schooley, and D. Eggett. 2017. Pretreatment tree dominance and conifer removal treatments affect plant succession in sagebrush communities. *Rangeland Ecology and Management* 70:759-773.
- Davies, K.W., M.D. Madsen, and A. Hulet. 2017. Using activated carbon to limit herbicide effects to seeded bunchgrass when revegetating annual grass-invaded rangelands. *Rangeland Ecology and Management* 70:604-608.
- Davies, K.W., J.D. Bates, and A. Hulet. 2017. Attempting to restore mountain big sagebrush (*Artemisia tridentata* ssp. *vaseyana*) four years after fire. *Restoration Ecology* 25:717-722
- Boswell, A., S. Petersen, B. Roundy, R. Jensen, D. Summers, and A. Hulet. 2017. Rangeland monitoring using remote sensing: comparison of cover estimates from field measurements and image analysis. *Special Topic: Application of remote sensing and GIS in environmental monitoring – AIMS Environmental Science* 4:1-16
- Bates, J. D., K. W. Davies, A. Hulet, R. F. Miller, and B. Roundy. 2017. Sage grouse groceries: forb response to pinon-juniper treatments. *Rangeland Ecology and Management* 70:106-115.
- Roundy, D.B., A. Hulet, B. A. Roundy, R. R. Jensen, J. B. Hinkle, L. Crook, and S.L. Petersen. 2016. Estimating pinyon and juniper cover across Utah using NAIP imagery. *Special Topic: Applications of remote sensing and GIS in environmental monitoring - AIMS Environmental Science* 3:765-777
- Madsen, M.D., A. Hulet, K. Phillips, J. L. Staley, K. W. Davies, and T. J. Svejcar. 2016. Extruded seed pellets: a novel approach to enhancing sagebrush seedling emergence. *Native Plants Journal* 17:230-243.
- Davies, K.W., A. M. Nafus, C.S. Boyd, A. Hulet, and J. D. Bates. 2016. Effects of using winter grazing as a fuel treatment on Wyoming big sagebrush plant communities. *Rangeland Ecology and Management* 69:179-184.
- Bybee, J., B. A. Roundy, K. R. Young, A. Hulet, D. B. Roundy, L. Crook, Z. Aanderud, D. L. Eggett, and N. L. Cline. 2016. Vegetation response to pinon and juniper tree shredding. *Rangeland Ecology and Management* 69:224-234.
- Davies, K. W., C. S. Boyd, J. D. Bates, and A. Hulet. 2016. Winter grazing decreases the probability of fire-induced mortality of bunchgrass and may reduce wildfire size: a response to Smith *et al.* (this issue). *International Journal of Wildland Fire* 25:489-493.
- Hulet, A., C. S. Boyd, K. W. Davies, and T. J. Svejcar. 2015. Prefire (preemptive) management to decrease fire-induced bunchgrass mortality and reduce reliance on postfire seeding? *Rangeland Ecology and Management* 68:437-444.
- Davies, K. W., C. S. Boyd, J. D. Bates, and A. Hulet. 2015. Winter grazing can reduce wildfire size, intensity and behavior in a shrub-grassland. *International Journal of Wildland Fire* 25:191-199.
- Davies, K. W., C. S. Boyd, J. D. Bates, and A. Hulet. 2015. Dormant season grazing may decrease wildfire probability by increasing fuel moisture and reducing fuel amount and continuity. *International Journal of Wildland Fire* 24:849-856.
- Boyd, C.S., K. W. Davies, and A. Hulet. 2015. Predicting fire-based perennial bunchgrass mortality in low elevation big sagebrush plant communities. *International Journal of Wildland Fire* 24:527-533.

Peer Reviewed/Evaluated (prior to joining University of Idaho):

- Hulet, A., B. A. Roundy, S. L. Petersen, S. C. Bunting, R. R. Jensen, and D. B. Roundy. 2014. Utilizing national agriculture imagery program data to estimate tree cover and biomass of piñon and juniper woodlands. *Rangeland Ecology and Management* 67:563-572.
- Roundy, B. A., R. F. Miller, R. J. Tausch, K. Young, A. Hulet, B. Rau, B. Jessop, J. C. Chambers, and D. Eggett. 2014. Understory cover responses to piñon-juniper treatments across tree dominance gradients

- in the Great Basin. *Rangeland Ecology and Management* 67:482-494.
- Roundy, B. A., K. Young, N. Cline, A. Hulet, R. F. Miller, R. J. Tausch, and B. Rau. 2014. Piñon-juniper reduction increases soil water availability of the resource growth pool. *Rangeland Ecology and Management* 67:495-505.
- Miller, R. F., J. Ratchford, B. A. Roundy, R. J. Tausch, C. Pereira, A. Hulet, and J. Chambers. 2014. Response of conifer-encroached shrublands in the Great Basin to prescribed fire and mechanical treatments. *Rangeland Ecology and Management* 67:468-481.
- McIver, J., M. Brunson, S. Bunting, J. Chambers, P. Doescher, J. Grace, A. Hulet, D. Johnson, S. Knick, R. Miller, F. Pierson, D. Pyke, B. Rau, K. Rollins, B. Roundy, E. Schupp, R. Tausch, and C. Williams. 2014. A synopsis of short-term responses to alternative restoration treatments in sagebrush-steppe: the SageSTEP project. *Rangeland Ecology and Management* 67:584-598.
- Hulet, A., B. A. Roundy, S. L. Petersen, R. R. Jensen, and S. C. Bunting. 2014. Cover estimations using object-based image analysis rule sets developed across multiple scales in pinyon and juniper woodlands. *Rangeland Ecology and Management*. 67:318-327.
- Hulet, A., B. A. Roundy, S. L. Petersen, R. R. Jensen, and S. C. Bunting. 2014. An object-based image analysis of pinyon and juniper woodlands treated to reduce fuels. *Environmental Management* 53:660-671.
- Hulet, A., B. A. Roundy, S. L. Petersen, R. R. Jensen, and S. C. Bunting. 2013. Assessing the relationship between ground measurements and object-based image analysis of land cover classes in pinyon and juniper woodlands. *Photogrammetric Engineering and Remote Sensing* 79:799-808.
- Madsen, M. D., S. J. Kostka, A. Hulet, B. E. Mackey, M. A. Harrison, and M. F. McMillan. 2013. Surfactant seed coating—a strategy to improve turf grass establishment on water repellent soils. International Symposium on Adjuvants for Agrochemicals. Foz do Iguacu, Brazil – April 22-16, 2013 *Peer-Reviewed Conference Proceedings*.
- Hulet, A., B. A. Roundy, and B. Jessop. 2010. Crested wheatgrass control and native plant establishment in Utah. *Rangeland Ecology and Management* 63:450-460.

Peer Reviewed/Evaluated (currently scheduled or submitted):

- Hulet, A., C. S. Boyd, K. W. Davies, and T. J. Svejcar. Effects of fuel load, heat characteristics, and fire weather on two bunchgrass species mortality following a fire (scheduled February 2018)
- Hulet, A., K. W. Davies, M. Madsen, and C. S. Boyd. Restoring sagebrush after mega-fires: success of different restoration methods across an elevation gradient (scheduled March 2018)
- Hulet, A., C. S. Boyd, K. W. Davies, and T. J. Svejcar. Sagebrush impact on bunchgrasses mortality following a fire event (scheduled May 2018)
- Hulet, A., K. W. Davies, M. Madsen, and C. S. Boyd. 2017. Post-fire recovery of native and introduced plant species across an elevation gradient (scheduled June 2018)
- Hulet, A., C. S. Boyd, K. W. Davies, and T. J. Svejcar. Spatial patterns of heat characteristics during a fire event in Wyoming big sagebrush plant communities (scheduled January 2019)

Professional Meeting Papers, Workshops, Showings, Recitals (*presenter):

- “Fine fuels management at the landscape scale: a collaborative model in the Northern Great Basin” S.A. Arispe...SRM Annual Conference, Minneapolis, MN, February 2019
- “Treatment longevity and changes in surface fuel loads after pinyon-juniper mastication: S. Wozniak..., SRM Annual Conference, Minneapolis, MN, February 2019
- “Methods for improving re-vegetation success in the sagebrush steppe using solid matrix priming” S.J. Price, ...SRM Annual Conference, Minneapolis, MN, February 2019
- “Evaluating the impact of Wyoming big sagebrush fuel loads on bunchgrass mortality following a fire event” A. Hulet*, C. Boyd, and K. Davies, SRM Annual Conference, Reno, NV, January 2018.
- “Preemptive management for resilient sagebrush plant communities to reduce the need for restoration” C.S. Boyd*, A. Hulet, and K. Davies, SRM Annual Conference, St. George, UT, February 2017.
- “Effects of climate patterns on sagebrush steppe ecosystems in southern Idaho over the last 80 years” H. E. Cunningham*, A. Hulet, A. Gearhart, and K. Davies, SRM Annual Conference, St. George, UT, February 2017.
- “Effects of pretreatment tree dominance and conifer removal treatments on plant succession in sagebrush communities.” R.E. Williams*, B. Roundy, A. Hulet, J. Matthews, and R. Schooley, SRM Annual Conference, St. George, UT, February 2017.
- “Lessons learned from studies of pinyon-juniper tree expansion and reduction.” B. Roundy*, A. Hulet, R. Williams, K. Young, and N. Cline. SRM Annual Conference, St. George, UT, February 2017.

- “Sage-grouse groceries: forb response to pinon-juniper treatments.” J. Bates*, K. Davies, A. Hulet, R. Miller, and B. Roundy. SRM Annual Conference, St. George, UT, February 2017.
- “Restoring Sagebrush After Mega-Fires: Success of Different Restoration Methods across an Elevation Gradient” A. Hulet*, K.W. Davies, M.D. Madsen, C.S. Boyd, and M. Gregg. SRM Annual Conference, Corpus Christi, TX, February 2016.
- “Sagebrush Steppe Succession after Treatments to Control Pinyon and Juniper” B.A. Roundy*, R. Williams, and A. Hulet. SRM Annual Conference, Corpus Christi, TX, February 2016.
- “Inducing Rapid Seed Germination of Native Cool Season Grasses with Solid Matrix Priming and Seed Extrusion Technology” M.D. Madsen*, A. Hulet, and L.N. Svejcar. SRM Annual Conference, Corpus Christi, TX, February 2016.
- “Restoring Sagebrush after Mega-Fire” A. Hulet*, K.W. Davies, M.D. Madsen, C.S. Boyd, and M. Gregg. SRM Annual Conference, Sacramento, CA, February 2015.
- “Predicting Fire-Based Perennial Bunchgrass Mortality in Low Elevation Big Sagebrush Plant Communities” C. S. Boyd*, K.W. Davies, and A. Hulet. SRM Annual Conference, Sacramento, CA, February 2015.
- “Seed Enhancement Technologies for Overcoming Barriers to Restoration” M.D. Madsen*, A. Hulet, K.W. Davies, C.S. Boyd, T. Badrakh, J. Kerby, B.A. Roundy, and T. Svejcar. SRM Annual Conference, Sacramento, CA, February 2015.
- “Successional Trends after Treating Pinyon-Juniper Encroached Sagebrush Steppe to Reduce Fuels” B.A. Roundy*, A. Hulet, N.L. Cline, B. Rau, R. Miller, R. Tausch, and J. Chambers. SRM Annual Conference, Sacramento, CA, February 2015.

Professional Meeting Papers, Workshops, Showings, Recitals (*presenter; *prior to joining Univ of Idaho*):

- “Assessing Fire-Induced Mortality of Perennial Bunchgrasses in Wyoming Big Sagebrush Communities” A. Hulet*, C.S. Boyd, K.W. Davies, and T. Svejcar. SRM Annual Conference, Oklahoma City, OK, February 2013.
- “Utilizing NAIP Imagery to Estimate Tree Cover and Biomass of Pinyon and Juniper Woodlands” D. Roundy, A. Hulet*, S. Petersen, and B. Roundy. SRM Annual Conference, Oklahoma City, OK, February 2013.
- “Assessing the Relationship between Remotely-Sensed Variables and Field-Based Vegetation Variables at Multiple Spatial Scales” A. Hulet*, B.A. Roundy, S. Petersen, S. Bunting, and R. Jensen. SRM Annual Conference, Spokane, WA, January 2012.
- “Characterizing Pinyon-Juniper Woodlands Post Fuel-Reduction Treatments Using High-Resolution Imagery” A. Hulet*, B.A. Roundy, S. Petersen, S. Bunting, and R. Jensen. AFE Interior West Fire Ecology Conference, Snowbird, UT, November 2011.
- “Object-Oriented Segmentation and Classification of High Resolution Imagery Evaluating Fire-Carrying Fuel Variables of Pinyon-Juniper Woodlands in the Great Basin” A. Hulet*, S. Petersen, B. Roundy, S. Bunting, and R. Jensen. American Society for Photogrammetry and Remote Sensing 2011 Annual Conference, Milwaukee, WI, May 2011.
- “Object-Oriented Segmentation and Classification of High Resolution Imagery Evaluating Fire-Carrying Fuel Variables of Pinyon-Juniper Woodlands in the Great Basin” A. Hulet*, B.A. Roundy, S. Petersen, S. Bunting, and R. Jensen. SRM Annual Conference, Billings, MT, February 2011.

Grants and Contracts Awarded: (provide principal and co investigators, title, sponsor, funding dates, amount)

- T. Johnson and A. Hulet. Sage-grouse habitat use on Rinker Rock Creek Ranch: preliminary data for understanding compatibility with livestock grazing and development of an ‘Adopt-a-Grouse’ outreach program. David Little Livestock Range Management Endowment, January 2019-December 2019, \$4,970
- J. Rickman, J. Sagers, A. Hulet, and B. Waldron. Management Tools to Reduce Downy Brome Following Fire Disturbance in Eastern Idaho. David Little Livestock Range Management Endowment, January 2019-December 2020, \$3,674
- S. Arispe, A. Hulet, B. Perryman, and N. Glenn. Fine Fuels Management to Improve Wyoming Big Sagebrush Plant Communities Using Dormant Season Grazing: Equipping Rangeland Managers with Skills and Science-Based Information to Promote a Healthy Sagebrush Steppe. USDA-NIFA-CARE, May 2019-April 2022, \$300,000 (pending)
- J.W. Karl, K. Launchbaugh, A. Hulet, and J. Kenyon. A National Grazingland Information System: Expanding GlobalRangelands.org Through a Grazingland Thesaurus and Mobile Content Access. USDA-

- NRCS-CIG, October 2018-Sept 2021, \$616,399
- A. Hulet and J.W. Karl, Collegiate teams for Idaho Rangeland Assessment, USDA-NRCS, April 2018-December 2018, \$203,721
 - K. Pregitzer and A. Hulet, Sagebrush steppe plant communities: Managing for resistance to invasive annual grasses, resiliency to wildfire and post-fire seedling establishment, USDA-NIFA McIntire Stennis Grant, June 2016-Sept 2019, \$180,000.
 - K. Launchbaugh and A. Hulet, Collegiate teams for Idaho Rangeland Assessment, USDA-NRCS, April 2017-December 2017, \$180,796.
 - B. Stokes and A. Hulet, Seed bank response to wildfire frequency in sagebrush steppe plant communities, David Little Livestock Range Management Endowment, January 2018-December 2018, \$6,115
 - J.W. Karl, E. Winford, A. Hulet, A. Ouandr, and J.E. Herrick. Supporting outcome-based management on private & public rangelands: training agricultural professionals on the role and use of monitoring, USDA-NIFA Western SARE, June 2018-May 2020, \$73,233
 - S. Arispe, A. Hulet, B. Perryman, N. Glenn, B. Schultz, S. Jensen, J. Sprinkle, and D. Johnson. Fine fuels reduction to improve Wyoming big sagebrush plant communities using late fall grazing. USDA-NIFA-CARE, September 2018-August 2020, \$300,000 (denied)

Grants and Contracts Awarded: (*prior to joining University of Idaho*)

- M. Madsen, C. Boyd, A. Hulet, L. Svejcar, K. Davies, and T. Svejcar. 2015. Optimizing the Timing of Seed Germination within Favorable Windows for Plant Establishment. Oregon Department of Fish and Wildlife (\$220,000).
- M. Madsen, L. Porensky, A. Hulet, and C. Boyd. 2014. Use of Solid Matrix Priming and Seed Extrusion Technology to Improve Rangeland Seeding Efforts. Kane and Two mile Research and Stewardship Partnership (\$29,800)
- A. Hulet, 2011. Travel, Research, and Educational Experience (TREE) Grant. Association for Fire Ecology and the Joint Fire Sciences Program (\$500).
- B.A. Roundy, Z. Aanderud, K. Young, and A. Hulet. 2010. Piñon and Juniper Tree Mastication Effects in the Great Basin and Colorado Plateau. Joint Fire Science Research Program (\$510,000).
- A. Hulet and B. Roundy. 2010. Graduate Student Mentoring Funds. Brigham Young University Graduate Studies (\$5,000).

SERVICE:

Major Committee Assignments:

- Steering Committee, Great Basin Fire Science Exchange, 2018-present
- Western Beef Committee, Idaho Range Extension Specialist, 2017-present
- President Elect, Idaho Section Society for Range Management, 2018
- Integrated Leadership Cabinet, University of Idaho Boise, August 2017-present
- Associate Director, Rangeland Center search committee, Fall 2017
- Idaho Career and Technical Education, Ecology and Natural Resource Management Standards development committee, Spring 2017-present
- Rock Creek Ranch Education, Outreach, and Communications committee chair
- Idaho Range Livestock Symposium committee

Grant Review Panels:

- U.S. Department of Agriculture, the National Institute of Food and Agriculture, FY 018 NIFA Fellows Peer Review Panel.

Professional and Scholarly Organizations (including memberships, committee assignments, editorial services, offices held and dates)

- Society for Range Management (SRM) 2006-present.
- American Society for Photogrammetry and Remote Sensing (ASPRS) 2010-present.
- US Regional Association of the International Association for Landscape Ecology (IALE) 2010-present.
- Association for Fire Ecology 2011-present.
- Society for Ecological Restoration 2017-present.

Outreach Service: (Including popular press, interview articles, newspaper articles, workshops-seminars-tours organized, Extension impact statements)

Newsletter Articles:

- Hulet, A. 2018. A new rangeland monitoring tool: the Rangeland Analysis Platform (RAP). Cattlemen's Corner Beef Newsletter, December 2018.
- Hulet, A. 2018. Preparing the next generation of range management professionals. Rangeland Partnership Newsletter, October 2018.
- Price, S., and A. Hulet. 2018. Developing new tools to improve native re-vegetation following wildlife. Cattlemen's Corner Beef Newsletter, July 2018.
- Hulet, A. 2017. Impacts of woody and fine fuels on exotic annual grass invasion. Rangeland Partnership Newsletter, November 2017.
- Hulet, A. 2017. Preparing the next generation of range management professionals. Cattlemen's Corner Beef Newsletter, November 2017.
- Hulet, A. 2017. Impacts of woody and fine fuels on exotic annual grass invasion. Cattlemen's Corner Beef Newsletter, July 2017.

Newsletter Articles (prior to joining University of Idaho):

- Davies, K. W., and A. Hulet. 2014. Risk of exotic annual grass-fire cycle in Goose Creek Milkvetch habitat. US Fish and Wildlife Service
- Madsen, M., A. Hulet, K. Munday, J. Staley, L. Porensky, E. Leger, M. Williamson. 2014. Overcoming the limiting factors impairing seeding success on arid soils of the Kaibab-Plateau. Final report to the Kane and Two Mile Research and Stewardship Partnership.
- Hulet, A., B. A. Roundy, S. L. Petersen, R. R. Jensen, and S. C. Bunting. 2012. The use of remotely-sensed imagery to analyze vegetation cover in pinyon and juniper woodlands. SageSTEP News Issue 19.
- Roundy, B., J. Bybee, A. Hulet, and L. Crook. 2011. Piñon and juniper tree mastication effects in the Great Basin and Colorado Plateau. SageSTEP News Issue 16.
- Hulet, A. 2009. Using aerial imagery to develop cost-effective rangeland management techniques. SageSTEP News Issue 10.

K-12 Events:

- Idaho State FFA Rangeland Assessment CDE, Burley, ID, October 2016 and 2017; Marsing, ID October 2018
- Western Nationals Rangeland CDE, Marsing, ID, November 2017; Smithfield, UT November 2018
- National Conservation Foundation-Envirothon, Pocatello, ID, July 2018
- High Desert Youth Range Camp, Northern Great Basin Experimental Range, June 2013-2017
- FIRST LEGO League Hydro Dynamics season, Boise, ID, August 2017
- Guest Lecture Eagle High School AP Environment Science course, Boise, ID (January 2018—34 students; January 2019—25 students)
- Guest Lecture South Junior High School English course, Boise, ID, March 2018 (96 participants).
- DTEC College and Career Fair, Boise, ID, November 2018

Post-Secondary Service:

- Undergraduate Range Management Examination coach, University of Idaho, Fall 2015 and 2016
- Judge: University Chapter Displays and Undergraduate Extemporaneous Contest, SRM Annual Conference, Sacramento, CA, and St. George, UT, 2015 and 2017.

Extension Courses:

- Google Earth Pro/GIS Hybrid Course, University of Idaho Bear Lake County, March 2018 (4 participants)
- Google Earth Pro/GIS Hybrid Course, University of Idaho Boise, Sept-Nov 2017 (10 private and natural resource professional participated)

Field Tours:

- Idaho Section Society for Range Management Summer Field Tour (co-organized, presented research), June 2018
- Fine Fuels Field Day with Boise State University (organizer, presented research), March 2018
- Rangeland Center Fall Forum, October 2017 (moderator)

- University of Idaho President's Tour, April 2017 (presented research)
- A Fine Fuels Management Field Day, May 2017 (presented research)

Field Instructor:

- Emmett High School Field Day, Big Willow Creek, ID, May 2018
- Rangeland 4-H Skill-a-thon, Challis, ID, June 2017
- Science in the Sagebrush Steppe: A Rangeland Management Event Out on the Range, Northern Great Basin Experimental Range, OR, April 2014-2018

Workshops Organized (208 total participants in 2017;):

- Sagebrush Saturdays at Rock Creek Ranch—Nothin' Fishy about Stream Restoration at Rock Creek Ranch, Hailey, ID, September 2018
- Sagebrush Saturdays at Rock Creek Ranch—Summer Kick-off BBQ, Hailey, ID, June 2018
- Sagebrush Saturdays at Rock Creek Ranch—Birds, Birds, Birds, Hailey, ID, June 2017
- Sagebrush Saturdays at Rock Creek Ranch—Wildflowers and Pollinators, Hailey, ID, June 2017
- Sagebrush Saturdays at Rock Creek Ranch—Beavers, Bugs, and Streams, Hailey, ID, July 2017
- Sagebrush Saturdays at Rock Creek Ranch—Earth, Fire, and Wildlife, Hailey, ID, August 2017
- Sagebrush Saturdays at Rock Creek Ranch—Cowboy Days on the Range, Hailey, ID, August 2017

Peer Reviews:

- Rangeland Ecology and Management (2015, 2016, 2017; 2018 2 manuscript each year)
- Restoration Ecology (2016 and 2017; 1 manuscript each year)
- Journal of Arid Environment (2017; 1 manuscript)

Community Outreach:

- Riverfest in Sun Valley, Hailey, ID July 2018—Promote UI Rangeland Extension and Rock Creek Ranch
- Capital City Public Market, Boise, ID May 2018—Promote UI Rangeland Extension
- Capital City Public Market, Boise, ID, May 2017—Promote UI Rangeland Extension, Rangeland Center, and Rock Creek Ranch
- Capital City Public Market, Boise, ID, May 2017—Promote UI Rangeland Extension and Rangeland Center

PROFESSIONAL DEVELOPMENT: (workshops and seminars attended)

Teaching:

- Seeding Success: Tools, Technology, and Techniques, September-December 2018
- National Association of Extension Program and Staff Development Professionals Virtual Summer School (4 sessions), Summer 2017

Scholarship:

- Idaho Cattle Association's Annual Convention and Trade Show, November 2016-2018
- Rock Creek Research webinar, December 2017
- Trimble eCognition Automated Feature Extraction webinar, November 2017
- WGA Webinar: All Lands Grazing, October 2017
- Why Public Lands Matter, Andrus Center Boise State University, Boise, ID, March 2017
- 2017 Idaho Law Review Symposium, Livestock Grazing on Public Lands: Law, Policy and Rebellion, Boise ID, March 2017
- Idaho Range Livestock Symposium, Marsing, ID, January 2017-2018
- Society for Range Management Annual Conference, 2015-2018
- University of Idaho Rangeland Center Fall Forums, 2015-2018

Scholarship (*prior to joining University of Idaho*):

- Going Places with Spatial Analysis (Esri MOOC), October-December 2014
- Using Python in ArcGIS Desktop 10, Esri Virtual Campus, June 2013
- Qualtrics Survey Software Training, Provo, UT, January 2012
- Ecologically-Based Invasive Plant Management (EBIPM) 2011 Field School, Park Valley, UT, September 2011

- Object-Based Image Analysis Workshop, ASPRS 2011 Annual Conference, Milwaukee, WI, May 2011
- Creating and Integrating Data for Natural Resource Applications, Esri Virtual Campus, March 2009
- Grantsmanship Workshop on USDA-CSREES Competitive Programs, Salt Lake City, UT, Oct 2008

Outreach:

- Rangeland Partnership meeting, Moscow, ID May 2018
- 2018 Extension Annual Conference, Moscow, ID, April 2018
- Extension New Employee Orientation, Moscow, ID, August 2017
- National Association of Extension Program and Staff Development Professionals Virtual Summer School (4 sessions), Summer 2017
- Rangeland Partnership training, Logan, UT, May 2017
- 2017 Extension Annual Conference, Burley, ID, April 2017