

# CURRICULUM VITAE

University of Idaho

**NAME:** BROOKS, Randall H.

**DATE:** January 1, 2022

**RANK OR TITLE:** Professor, Forest, Rangeland, and Fire Sciences, Forestry Program Lead & Extension Forestry Specialist

**DEPARTMENT:** Forest, Rangeland, and Fire Sciences

**OFFICE LOCATION:** College of Natural Resources  
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**DATE OF FIRST EMPLOYMENT AT UI:** May 6, 1991

**DATE OF TENURE:** July 1, 2000

**DATE OF PRESENT RANK OR TITLE:** October, 2015

## EDUCATION BEYOND HIGH SCHOOL:

Ph.D., 1996, Forest Science, Michigan Technological University, Houghton, Michigan

M.S., 1989, Forest Science, Michigan Technological University, Houghton, Michigan

B.S., 1986, Forest Management, Oklahoma State University, Stillwater, Oklahoma

A.S., 1984, Agriculture, Connors State College, Warner, Oklahoma

## Certificates and Licenses

Mental Health First Aid Instructor (Oct 2020)

Professional Consultant/Applicators License (through State Idaho Department of Agriculture), 1996- present,

Chemigators License (through Idaho State Department of Agriculture), 1993 - present

Private Applicators (through State Idaho Department of Agriculture), 1993-present

## EXPERIENCE:

### Academic Administrative Appointments:

Interim Head – Dept. of Forest, Rangeland, and Fire Sciences, Oct. 2015 – Oct. 2017

Forest Resources Program Lead, UI CNR FRFS Dept., April, 2015- present

County Chair, Clearwater County Extension Office, Orofino, Idaho, 1996-2011.

Director, USDA Idaho Snake River Plain Water Quality Demonstration Project, 1994-1996.

### Teaching, Extension, and Research Appointments:

Professor and Extension Forestry Specialist, Dept. of Forest, Range, and Fire Science, University of Idaho, College of Natural Resources, Moscow, ID, January 2011-present.

Extension Professor/Extension Educator - Forestry, 4-H/Youth, and Agriculture, University of Idaho Clearwater County Extension, 2009 - present.

Associate Extension Professor/Extension Educator - Forestry, 4-H/Youth, and Agriculture, University of Idaho Clearwater County Extension, 2000 – 2008.

Assistant Extension Professor/Extension Educator - Forestry, 4-H/Youth, and Agriculture, University of Idaho Clearwater County Extension, 1996-2000.

Project Coordinator/Director, Idaho Snake River Plain USDA Water Quality Demonstration Project, University of Idaho, Burley, ID, 1995-1996.

Assistant Extension Professor/Extension Educator - Multi-County Water Quality Extension Educator, University of Idaho, Burley, ID, 1993-1996.

Extension (75%)/Research (25%) Associate – Soils, Dept. of Plant, Soil, and Entomological Sciences, University of Idaho, Twin Falls Research and Extension Center, Twin Falls, ID, 1991-1993.  
 Graduate Fellowship Researcher, Forest Soils, School of Forestry and Wood Products, Michigan Technological University, Houghton, MI. 1988-1991.  
 Graduate Research Assistant, Forest Soils, School of Forestry and Wood Products, Michigan Technological University, Houghton, MI, 1986-1988.

### **TEACHING ACCOMPLISHMENTS:**

#### **Areas of Specialization:**

Soils, Forest Soils, Forest Ecology, Forest Health, Forest Management, Silviculture, Water Quality, Invasive Species, Pesticides, Micro-Irrigation, Adult and Continuing Education,

#### **Courses Taught:**

Introduction to Forest Management, FOR 102. (2 credit, letter grade). Spring 2016-2021  
 Introduction to Natural Resources. NR 101, (2 credit, letter grade). Fall 2016, 2020, 2021  
 ST: Various titles through Fall 2021  
 DS: Natural Resources Conservation. FOR 499  
 FRFS Seminar. FOR 501. (1 credit pass/fail)  
 Forest Resources Education, FOR 503/403 (1 credit, letter grade), spring 2014 - 2021  
 Renewable Natural Resources Internship, FOR 498 (2-3 credits, letter grade) offered fall/spring semesters 2013 – present.  
 Special Topics in Forest Resources Conservation, AG 504/For 504, (2 credits, pass/fail), Offered annually in North Central Idaho Area since 2002.  
 Forestry Shortcourse, AG/FOR 503. Offered annually in various locations in North Central Idaho (1-2 credits, pass/fail).  
 Special Topics in Forest Resources Conservation, AG 504:70, Headquarters, ID. 1998-2012 (1-2 credits, pass/fail).  
 Teaching Assistant for Introductory Soils Course (FR 111), School of Forestry and Wood Products, Michigan Technological University, Houghton, MI, 1987-1990.

#### **Graduate Students, Major Professor, in progress:**

Josh Reed, MS  
 Hope Harvey- Morose, PhD  
 Kelsey Jutila, PhD  
 Heather Page, PhD  
 Jacob Rickman, PhD, inactive  
 Stevie Steele, MS inactive  
 Danielle Gentry, PhD  
 Jason McLeod, MNR

#### **Graduate Students, Major Professor, Completed:**

Hope Harvey-Marose, MS. 2020  
 Scott Sprague, MS. 2019  
 Callie Collins, MS. 2018  
 Kellie Roemer, MS. 2017  
 Danielle Gentry, MS. 2016  
 Audra Cochran, MS. 2016  
 James Casey, MS. 2015  
 Jillian Moroney, MS. 2013

#### **Graduate Committee Membership:**

Ryer Becker, PhD  
 Farid Sotoudehniakarani, PhD  
 Alayat Abdulbaset, Phd 2018  
 James Ekins, PhD  
 Patrick Mahoney, MS 2016

Rebecca Sheridan, MS  
 Rebecca Lieberg, MS 2016  
 Conor Bell, MS 2016  
 Liqing Wei, 2015  
 Yinglei Han, 2015  
 Bridget McNassar, MS 2014

**Materials Developed: Displays and Posters:**

- Brooks, R., C. Collins, S. Brooks, Wildland Firefighter Perceptions Regarding Health and Safety Issues on the Fire Line. Brooks\*, R., C. Collins, S. Brooks, A. Nelson, and A. Brown. Presented at 7<sup>th</sup> International Fire Ecology & Management Congress. Orlando, FL Nov. 28 – Dec. 2, 2017.
- Collins, C., S. Brooks, R. Brooks, S. James, A. Brown, and A. Nelson. Implications of Body Composition Changes Across a Fire Season: A Case Study of WLFF. Presented at 7<sup>th</sup> International Fire Ecology & Management Congress. Orlando, FL Nov. 28 – Dec. 2, 2017.
- Brooks, S., C. Collins, A. Nelson, R. Brooks, and A. Brown. Wildland Firefighters hydration on a fire assignment: Self Reported Contributing Factors and Perceptions. Presented at 7<sup>th</sup> International Fire Ecology & Management Congress. Orlando, FL Nov. 28 – Dec. 2, 2017.
- Brooks, S., Collins, C., Roe, A., Brown, K., Smith, A.M.S., Kolden, C., Nelson, A.S., Brooks, R., and Ramsay, S. 2017. Wildland firefighters' self-reported nutrition and hydration concerns that may impact health and safety. *Presented at:* Society for Nutrition Education and Behavior 50<sup>th</sup> Annual Conference. Washington, D.C. July 20-24. *Journal of Nutrition Education and Behavior* 49(7) S85
- Cochran, A. R. Brooks, A. McDonald, R. Keefe, and K. Englund. Alternative bioenergy: Small scale pellet production from forest residues. Forest Products Society. Portland, OR. June 6, 2016.
- Cochran, A., R. Brooks, A. McDonald, R. Keefe, and K. England. 2015. Small Scale Pellet Production as Alternative Bioenergy from Forest Residuals. National Extension Energy Summit. April 7-9, Seattle, WA.
- Brooks, R., A. Cochran, and R. Keefe. 2014. Assessing Idaho Logger Attitudes Towards Harvesting Beetle-Killed Pine. Presented at BANR Grant Annual Meeting. Oct. 1-3, 2014. Moscow, ID.
- Keefe, R, and R. Brooks. 2014. Estimating sustainability metrics based on forest area required to supply our annual wood use in the United States. Poster presented at SAF National Meeting and IUFRO International Conference, Oct. 9, 2014. Salt Lake City, UT.
- Coleman, M., R. Brooks, and A. MacDonald. 2014. Utilization of Forest Biomass Through Mobile Fast Pyrolysis. Presented at Washington DNR Biomass Conference, Stevenson, WA. May 7-8, 2014.
- Brooks, R. and C. Schnepf. UI Extension Forestry Activities. Forestry Day at the Legislature. Boise, ID. Feb. 11, 2014.
- Brooks, R., J. Moroney, R. Keefe, and T. Laninga. 2013. Biomass Survey of Idaho Loggers. Poster presented at NARA Annual meeting in Corvallis, OR. Sept.12, 2013.
- Brooks, R., J. Moroney, R. Keefe, and T. Laninga. 2013. Biomass Survey Assessment of Idaho Forestry Extension Stakeholders. Poster presented at The International Wood Composite Symposium. Seattle, WA. April 2-4, 2013.
- Moroney, Jillian, T. Laninga, and R. Brooks. Clearwater Basin Bioenergy Survey. Poster presented at Idaho Chapter of the American Planning Association Annual Conference, Boise, ID. Oct. 10-12, 2013
- Brooks, Randy, J. Moroney, and T. Laninga. 2013. Clearwater Basin Bioenergy Survey. Poster presented at Northwest Bioenergy Research Symposium and Future Energy Conference, Seattle, WA. Nov. 13-14, 2013
- Brooks, R. and C. Schnepf. UI Extension Forestry Activities. Forestry Day at the Legislature. Boise, ID. Feb. 18, 2013.
- Brooks, R., J. Moroney and T. Laninga, Clearwater Basin Bioenergy Survey of Community Leaders. Future Energy Conference, Seattle, WA. Nov. 14, 2012.
- Brooks, R. and J. Moroney. Natural Resource Tour Educates Youth. NARA Annual Meeting, Missoula, MT. Sept. 13, 2012.
- Brooks, R. and J. Moroney. Clearwater County Forestry Tour: A Knowledge Assessment. NARA Annual Meeting, Missoula, MT. Sept. 13, 2012.
- Brooks, R. and J. Moroney. 2012. Clearwater Basin Bioenergy Survey: A brief assessment of regional norms and values that could have an impact on community responses to the development of woody biomass as an energy source in the Clearwater Basin. Poster presented at The International Wood Composite Symposium. Seattle, WA, April 11-13, 2012.

- Moroney, J. and R. Brooks. Clearwater Basin Bioenergy Survey. The International Wood Composite Symposium. Seattle, WA. April 12, 2012
- Brooks, R.H. Forestry Tour Educates Teachers and Youth. National Workshop on Climate and Forests: Flagstaff, AZ. May 17, 2011
- Brooks, R.H. Drip Irrigation Demonstration Model. Water-wise Landscaping. Lewiston Orchards Irrigation District Annual Meeting. Lewiston, ID. April 20, 2010.
- Hart, K.N., Brooks, R.H., Guy, S.O. and H Kok, On Farm Evaluation of Slow-Release Nitrogen for Direct Seeded Winter Wheat Production in High Precipitation Areas of North Central Idaho. PNW Direct Seed Conference, 2010 PNW Direct Seed Conference, Kennewick, WA, January 20-21, 2010.
- Brooks, R.H., Hart, K.N., Barton, D.L., and J.A. Church. Managing small acreages for pasture production. Joint Council of Extension Professionals and University of Idaho Legislative Poster Session Boise, ID Jan. 25, 2006.
- Hart, K.N., Barton, D.L., Brooks, R.H., and J.A. Church. Pasture Management for Smaller Acreages. National Association of County Agricultural Agents Annual Meeting, Buffalo, NY. July 18-21, 2005.
- Brooks, R.H. Strengthening Idaho's Forest Stewardship Skills. UI CALS Annual Conference, Moscow, ID, April 4-5, 2005.
- Brooks, R.H. UI Extension Program Opportunities. NRCS Open House. Weippe, ID. Nov. 18, 2004.
- Brooks, R.H. and C. Schnepf. Idaho's Forest Stewardship Programs. UI CALS Annual Conference, Boise, ID, April 19, 2004.
- Brooks, R.H. and C. Schnepf. Strengthening Idaho's Forest Stewardship Skills. JCEP Legislative Poster Session, Boise, ID, January 26, 2004.
- Brooks, R.H. and C. Schnepf. Idaho's Forest Stewardship Programs. Non-Industrial Private Landowners Workshop, Moscow, ID, March 22, 2004.

**PowerPoint/Slide Presentations (shared):**

- Brooks, R.H. 2016. UI Logger Safety Research. For LEAP Update. 5 presentations/shared
- Brooks, R.H. 2015. Logging Class 2 Streams to Meet Idaho FPA Requirements. For LEAP Update. 8 presentations/shared
- Brooks, R.H. 2014. Loggers Aren't Bloggers. For LEAP Update. 8 presentations/shared
- Brooks, R.H. 2013. Forest Streams and Riparian Areas. For LEAP Update. 7 presentations/shared
- Brooks, R.H. 2012. Keeping the Legacy Alive: Passing on the Family Forest. For Family Ties Workshops
- Brooks, R.H. 2011. Maintaining Forest Roads and Drainage Structures. For LEAP Update training
- Brooks, R.H. 2010. Interpreting Pesticide Labels. For Current Topics in Forest Health.
- Brooks, R.H. 2009. Seeding Forest Roads and Skid Trails. For Current Topics in Forest Health.
- Brooks, R.H. 2008. Precommercial Thinning and Pruning. For Logger Education Update Training.
- Brooks, R.H. 2007. Measuring Trees: Inventorying Your Forest. For Logger Education Update Training.
- Brooks, R.H. 2005. An Introduction to Soils, Fertilizers, and Pesticide Safety. For Master Gardener Training.
- Brooks, R.H. 2002. Fate of Pesticides in the Environment. For Pesticide Applicators Training.

**Courses Developed: Workshops, Seminars, etc. (offered annually or bi-annually):**

- LEAP (Logger Education to Advance Professionalism) (three-day program: organized, moderated, presented 1 day on water quality, riparian areas, soils, and road building and led field exercises). Annually from 1997-present- in various north central Idaho locations.
- LEAP Update (1.5 day program: co-organized, moderated, presented). Annually from 2004-present- in various Idaho locations.
- Forestry Shortcourse (six, three-hour sessions) (organized, moderated, and presented on: Forest Management Planning, Forest Ecology and Structure, Forest Insects & Disease, Silviculture, Forest Wildlife Habitat, Forest Recreation and Other Forest Resources, Planning Forest Activities, Forest Management Goal Setting, & Economics and Keeping Records - roughly 13 hours). Semi-Annually.
- Scaling and Marketing Private Timber (co-organized, moderated, presented on: "Professional Forestry Assistance" and "Increasing Timber Sale Profits"). Annually from 1997-present in various north central Idaho locations.
- South Idaho Forestry Field Day and Stewardship Tour. (organized, moderated, presented). 2014, 2015.
- Latah County Forest Stewardship Tour (organized, moderated, presented). Annually since 2013.
- UI Experimental Forest Field Day (co-organized w. Keefe). Princeton, ID. Bi-annually since 2013.
- Safely Using Herbicides in Forestry (co-organized, presented). Coeur d'Alene, ID. Annually since 2013.
- Plant Your Seedlings Properly. (organized, moderated, presented). Moscow, ID. Annually since 2013.

- Current Topics in Forest Health (organized, moderated, presented). Orofino, ID. Annually, 2<sup>nd</sup> Thursday in December since 1997.
- Growing Superior Tree Seed. Presented on: "Cultural Methods to Stimulate Cone Production", Moscow, ID. August 2003. Offered in north central Idaho bi-annually.
- Measuring Your Trees. (organized and presented). Offered annually in north-central Idaho. 2009-present.
- Forest Insects & Disease Field Day (co-organized and co-presented). Annually in various north central Idaho locations from 1998-present.
- Thinning & Pruning Field Day (organized and presented) Bi-annually from 1998-present in various north central Idaho locations.
- An Introduction to Conservation Easements (organized, moderated, presented on conservation easements) Offered annually since 2004 (4 sessions) in various north central Idaho locations.
- Upper Clearwater Master Gardeners Program (co-organized, moderated, and presented on soils and fertilizers, pesticide safety, and pruning trees and shrubs.). Eleven, three hour sessions on various topics related to horticulture, gardening, etc). Bi-annually in north central Idaho since 1997. (8 sessions).
- Pasture Management Workshop (co-organized, moderated, and presented on soil management). Two, three hour sessions on pasture management. Annually in north central Idaho since 2004. (8 sessions).
- Upper Clearwater Farm and Forest Fair (co-organized, moderated, and presented on forestry issues). 2 day, 10 session fair on forestry and agriculture oriented to 5<sup>th</sup> grade students and teachers in north central Idaho. Offered annually since 1997. (14 sessions).
- Using Your GPS Unit (co-organized, moderated, and presented). Eight hours (4 hr. class room & 4 hr field session) on using GPS units. Offered annually in north central Idaho since 2006. (11 sessions).
- Clearwater County Sixth Grade Forest and Natural Resources Tour (organized, directed, moderated, and presented on water quality). 3 day, 2 night camp and field tour of forestry and natural resource topics. Annually at Headquarters, ID, since 1996. (16 sessions).
- CLLN 4-H Camp (co-organized, moderated, presented a class). Offered annually to Clearwater, Latah, Lewis, and Nezperce County 4-H members. Held at Camp Wooten, Dayton, WA. Annually, 3<sup>rd</sup> weekend in July.
- Clearwater County 4-H Market Animal Weigh-In Workshops. Organize, moderate, and present on market animal topics. 3 workshops for beef, swine, and sheep species. Annually since 1996. (42 sessions).

### Invited Presentations

- Brooks, R. Fatigue on the Fireline. USDA Forest Service Nez-Clear Annual Meeting. Grangeville, ID. May 5, 2019.
- Brooks, R., and C. Collins. 2018. Wildland Firefighter Perceptions Regarding Health and Safety Issues on the Fire Line: Assessing Fatigue. USDA Forest Service Region 1 Health and Safety Officers Training. Missoula, MT. March 15, 2018.
- Make Your Own Wood Pellets (Out of Forest Residuals?). R. Brooks\* and A. Cochran. Biomass Utilization Workshop, Grangeville, ID 11/9/17
- Using Actigraph ReadIBands to connect wildland firefighter sleep patterns and physiology. Brooks\*, R. C. Collins, and S. James. Off The Grid 2017: Real-Time Positioning and Mobile Data Solutions for Natural Resources, Coeur d'Alene, ID 11/2/17
- Extension Forestry in Idaho: Engaging Stakeholders. FOR 501 Seminar Series. Moscow, ID. Feb. 17, 2016
- Idaho Forests: The Good, the Bad, and the Ugly. Leadership Idaho Agriculture Class 36. Moscow, ID. Nov. 3, 2015.
- Methods of Thinning and Pruning. UI Experimental Forest Field Day. Troy, ID. Sept. 26, 2015.
- Make Your Own Wood Pellets Out of Forest Residuals. National Extension Energy Summit. April 7-9, 2015. Seattle, WA.
- Laying the Foundation for Success – UI Forest Resources Program. American Forest Resource Council. Annual Meeting. April 7-9, 2015. Portland, WA.
- Make Your Own Wood Pellets (Out of Forest Residuals)? Small Log Conference. Spokane, WA. March 24-26, 2015.
- Natural Resource Opportunities for Youth in Idaho. ISWCD Annual Mtg. Nov. 16, 2014
- Fun With Forestry. 2 Presentations at UI Ag Days. Moscow, ID. Sept. 26, 2014
- Extension Forestry Efforts in Idaho. ALC Annual Mtg. CDA, Sept. 6, 2014.
- Biomass Opportunities in the PNW. WCC Annual Mtg, Richland, WA. Sept. 20, 2014
- UI Extension Forestry Update. ILRCC Annual Mtg. McCall, ID. May 4, 2014.

- Fate of Pesticides in the Environment. UI Safely Using Herbicides in Forestry. Moscow, ID. Mar. 21, 2014.  
Idaho Loggers Aren't Bloggers. 7 presentations to UI Extension Forestry LEAP Update Workshops.  
(Sandpoint, Coeur d'Alene, St. Maries, Moscow, Orofino, Kamiah, McCall)
- UI Extension Forestry Activities. OHS Science Class. Orofino, ID. Feb. 19, 2014.
- Reading and Interpreting Pesticide Labels. UI Extension Pesticide Applicators Workshop. Nezperce, ID.  
Feb. 18, 2014.
- Fate of Pesticides in the Environment. UI Extension Pesticide Applicators Workshop. Nezperce, ID.  
Feb. 18, 2014.
- Extension Forestry Update. Idaho Pro-logger steering committee annual mtg. Moscow, ID. Nov. 8, 2013
- Idaho's Forests and Issues. Leadership Idaho Agriculture. Moscow, ID. Nov. 5, 2013
- Forestry and Water Quality (3X). Kamiah High School Science Class, Kamiah, ID. Sept. 13, 2013.
- UI Extension Forestry Activities. Idaho ALC Annual Meeting. Coeur d'Alene, ID. Sept. 7, 2013.
- Fun with Forestry. Spokane Odyssey Camp. Moscow, ID. May 24, 2013.
- Fun with Forestry. Spokane Odyssey Camp. Moscow, ID. May 23, 2013.
- Field Applications of GPS. UI Geography Club. Moscow, ID. May 1, 2013.
- Handheld GPS Applications. UI Geography Club. Moscow, ID. Apr. 17, 2013.
- Fate of Pesticides in the Environment. Safely Using Herbicides in Forestry. Coeur d'Alene, ID.  
Apr. 12, 2013.
- Keeping the Family Forest Alive. Keeping the Legacy Alive Workshop, Moscow, ID. Mar. 13, 2013
- How Logging is Good for the Trees. Gar-Pal High School Gifted and Talented. Moscow, ID. Mar. 1, 2013.
- An Overview of Tree Biology. Banana Belt Seminar Series. Lewiston, ID. Feb. 11, 2013.
- Woody Biomass Utilization in Idaho. Lewiston High School Science Calls. Lewiston, ID. Feb.6, 2013.
- Micro-Irrigation Design and Installation. Idaho Horticulture Seminar. Boise, ID. Jan. 24, 2013.
- Using a GPS Receiver. Whitman County, WA Law Enforcement Training Day. Colfax, WA. Nov. 1, 2012
- Keeping the Family Forest Alive. Keeping the Legacy Alive Workshop, Moscow, ID. Mar. 13, 2012
- Biomass Opportunities and Options. Selkirk SAF Chapter. Worley, ID. Feb. 16, 2012.
- Keeping the Family Forest Alive. Keeping the Legacy Alive Workshop, Cottonwood, ID. Jan. 24, 2012
- Keeping the Family Forest Alive. Keeping the Legacy Alive Workshop, Grangeville, ID. Feb. 15, 2011
- New and Invading Weed Species in Idaho. Family Forests Workshop, Moscow, ID. March 23, 2010.
- Idaho Forest Management and Associated Issues. Leadership Idaho Agriculture Class 30. Moscow, ID.  
Nov. 3, 2009.
- Seeding Forest Roads, Skid Trails and Landings. Current Topics in Forest Health. Coeur d'Alene, ID.  
Dec. 5, 2008
- Idaho Forest Management and Associated Issues. Leadership Idaho Agriculture Class 29. Moscow, ID.  
Nov. 4, 2008.
- Fate of Pesticides in the Environment. Lewis-Clark Valley Green Industry Conference. Nov.15, 2007.  
Clarkston, WA.
- Idaho Forest Management and Associated Issues. Leadership Idaho Agriculture Class 28. Moscow, ID.  
Nov. 6, 2007.
- Forest Management Issues and Concerns for Idaho. Leadership Idaho Agriculture Class 27. Moscow, ID.  
Nov. 1, 2006.
- Utilizing the Latest Timber Harvesting Technologies. Bennett Lumber Company Annual Meeting.  
Clarkston, WA. March 25, 2005.
- Idaho's Forests and Their Issues. Leadership Idaho Agriculture Class XXV. Moscow, ID. April 12, 2005.
- Leadership Opportunities for ESP Members. Public Issues Leadership Development National Meeting,  
Washington, DC, April 17, 2005.
- Herbicides Labeled for Use in Forestry and Their Fate in the Environment. Idaho Forest Nursery Growers  
Association. Lewiston, ID. Oct. 19, 2004.
- A Background on Idaho's Family Forests. Women in Timber Annual Meeting. Lewiston, ID. Oct. 23, 2004.
- Idaho's Forests and Their Issues. Leadership Idaho Agriculture Class XXIV. Moscow, ID. Nov. 3, 2004.
- Status of Logger Education in the Pacific Northwest, Forest Management: Challenges for Private Timber in  
the Inland Northwest, Moscow, ID March 24, 2003.
- Watershed management practices. UI FWR Watershed Class. Moscow, ID. Nov. 5, 7, and 12, 2001.
- What water quality means to cattle producers. Bonner/Boundary Cattle Association Mtg. Sandpoint, ID.  
Apr. 18, 1998.
- Water quality and stream restoration practices. North Idaho Cattlemen's Annual Mtg., Sandpoint, ID.  
Oct 17, 1998.

Monitoring for Groundwater Contamination in Idaho's Snake River Plain Aquifer. Michigan Technological University Traveling Professor Seminar Series, Houghton, MI. May 22, 1996.

### **Presentations, other**

- Brooks, R. Effect of Forest Harvest on the Site. LEAP. Moscow, ID. Nov. 10-12, 2020.
- Brooks, R. Planning Forest Roads and Skid Trails. LEAP. Moscow, ID. Nov. 10-12, 2020
- Brooks, R. Fate of Pesticides in the environment. UI Safely Using Herbicides Workshop. Sandpoint, ID. Nov. 6, 2020.
- Brooks, R. reading and interpreting the pesticide label. UI Safely Using Herbicides Workshop. Sandpoint, ID. Nov. 6, 2020.
- Brooks, R. 4 lectures to Lewiston High School forestry class (50 min each) 23 students via Zoom (Spring 2020)
- Brooks\*, R. and C. Collins. Understanding factors contributing to wildland firefighter health and safety: Assessing sleep and fatigue on the fireline. Presented at 15th International Wildland Fire Safety Summit and 5th Human Dimensions of Wildland Fire Conference. Asheville, NC. Dec. 13, 2018.
- Wildland Firefighter Perceptions Regarding Health and Safety Issues on the Fire Line: Assessing Fatigue, 7<sup>th</sup> International Fire Ecology & Management Congress. Orlando, FL Nov. 28 – Dec. 2, 2017.
- Silviculture and Ecology of Engelmann Spruce. UI LEAP Updates. 3 locations, N. Idaho. March 2017.
- UI Logger Safety Research Results. UI LEAP Updates. 5 Locations N. Idaho. March 2016.
- Forest Practices Effects on Water Quality. LEAP. Coeur d'Alene, ID. Apr. 25 & 30, 2016.
- Effect of Forest Harvest on the Site. LEAP. Coeur d'Alene & Moscow, ID. Apr. 25 & 30, 2016.
- Planning Forest Roads and Skid Trails. LEAP. Coeur d'Alene and Moscow, ID. Apr. 25 & 30, 2016.
- Forest Hydrology. LEAP. Coeur d'Alene and Moscow, ID. Apr. 25 & 30, 2016.
- Fun with Forestry (8 presentations). UI Natural Resource Camp, Sun Valley, ID. June 25-30, 2016.
- Working Around Class II Streams. UI LEAP Updates. 5 Locations in N. Idaho. March 2015.
- Forest Practices Effects on Water Quality. LEAP. Coeur d'Alene, ID. Apr. 25 & 30, 2015.
- Effect of Forest Harvest on the Site. LEAP. Coeur d'Alene & Moscow, ID. Apr. 25 & 30, 2015.
- Planning Forest Roads and Skid Trails. LEAP. Coeur d'Alene and Moscow, ID. Apr. 25 & 30, 2015.
- Forest Hydrology. LEAP. Coeur d'Alene and Moscow, ID. Apr. 25 & 30, 2015.
- Fun with Forestry (8 presentations). UI Natural Resource Camp, Sun Valley, ID. June 24-29, 2015.
- Leadership Philosophies and Styles. FRFS Dept. Presentation for Dept. Head, Moscow, ID Oct. 20, 2015
- Fun with Forestry (8 presentations). UI Natural Resource Camp, Sun Valley, ID. June 23-27, 2014.
- Forest Practices Effects on Water Quality. LEAP. Coeur d'Alene, ID. Apr. 25 & 30, 2014.
- Effect of Forest Harvest on the Site. LEAP. Coeur d'Alene & Moscow, ID. Apr. 25 & 30, 2014.
- Planning Forest Roads and Skid Trails. LEAP. Coeur d'Alene and Moscow, ID. Apr. 25 & 30, 2014.
- Forest Hydrology. LEAP. Coeur d'Alene and Moscow, ID. Apr. 25 & 30, 2014.
- UI Extension Forestry Activities. Idaho Pro Logger Steering Committee Mtg. Moscow, ID. Nov. 8, 2013.
- How to Choose the Right Leave Trees. UIEF Field Day. Princeton, ID. July 20, 2013.
- Forest Thinning and Pruning Techniques. UI Extension Forest Thinning & Pruning Field Day. Moscow, ID. July 19, 2013.
- All About Forestry (8 presentations). UI Natural Resource Camp, Sun Valley, ID. June 24-28, 2013.
- Forest Streams and Riparian Areas. LEAP Update, Cascade, ID. May 15, 2013.
- Forest Practices Effects on Water Quality. Coeur d'Alene, ID. Apr. 25, 2013.
- Effect of Forest Harvest on the Site. Coeur d'Alene, ID. Apr. 25, 2013.
- Planning Forest Roads and Skid Trails. Coeur d'Alene, ID. Apr. 25, 2013.
- Forest Hydrology. LEAP. Coeur d'Alene, ID. Apr. 25, 2013.
- Plant Your Forest Seedlings Properly. UI Extension Tree Planting Workshop. Moscow, ID. Apr. 19, 2013.
- Forest Streams and Riparian Areas. LEAP Update, Orofino, ID. Mar. 29, 2013.
- Forest Streams and Riparian Areas. LEAP Update, St. Maries, ID. Mar. 26, 2013.
- Geospatial Soil Risk Assessments and BMP Development for Biomass Harvesting. LEAP Update, St. Maries, ID. Mar. 26, 2013.
- Forest Streams and Riparian Areas. LEAP Update, Sandpoint, ID. Mar. 19, 2013.
- Forest Streams and Riparian Areas. LEAP Update, Moscow, ID. Mar. 14, 2013.
- Forest Streams and Riparian Areas. LEAP Update, Post Falls, ID. Mar. 5, 2013.
- Real Men Read. Orofino High School 9<sup>th</sup> Grade English. Orofino, ID. Feb. 13, 2013.
- Using SurveyMonkey to Reach Stakeholders. Lewiston High School Science. Lewiston, ID. Jan. 29, 2013.
- A GPS Orientation (4 – 1 hour presentations). Colfax 6<sup>th</sup> Grade Class. Camp Grizzly, Princeton, ID. Sept. 20, 2012

Forest Issues and Policies. Dr. Joe Geunthner's UI CALS Resource Policy Class (3 – 1 hour presentations).  
Camp Wittman, Tamany, ID. Sept 19, 2012.

Clearwater County Forestry Tour. Orofino 6<sup>th</sup> Grade Class. Orofino, ID. May 16, 2012.

Extension Forestry. Orofino Elementary School 6&7<sup>th</sup> Grades. Orofino, ID. Feb. 8, 2012.

Biomass Grant Opportunities for Youth. Orofino 6<sup>th</sup> Grade Class. Orofino, ID. Jan. 18, 2012.

Forest Issues and Policies. Dr. Joe Geunthner's UI CALS Resource Policy Class (3 – 1 hour presentations).  
Camp Wittman, Tamany, ID. Sept 21, 2011

NARA Biomass Grant Opportunities for Extension. UI Extension Administration Team. Moscow, ID.  
Sept. 20, 2011.

Forest Insects and Diseases. UI Forest Insects and Disease Field Day, Cottonwood, ID. July 22, 2011.

Soils. UI NRW Youth Camp (7 presentations), Ketchum, ID. June 27-July 1, 2011.

Root Disease Never Sleeps. UI Extension Root Disease Workshop. Orofino, ID. June 17, 2011.

Maintaining Forest Roads and Drainage Structures. LEAP Update  
(5 locations across north Idaho, Mar. 8, 10, 15, 17, 23, & May 3<sup>rd</sup>)

Responding to Forestry Natural Disasters. Clearwater County FAC. Feb. 25, 2011

Forestry Tax Laws, and Controlling Access. Forestry Shortcourse. Orofino, ID. Feb. 17, 2011.

Forestland Recreation. Forestry Shortcourse. Orofino, ID. Feb. 10, 2011.

Silviculture. Forestry Shortcourse. Orofino, ID. Jan. 27, 2011.

Forest Ecology. Forestry Shortcourse. Orofino, ID. Jan. 20, 2011.

Introduction to Forest Management Planning. Forestry Shortcourse. Orofino, ID. Jan. 13, 2011.

Reading and Interpreting Pesticide Labels Correctly. Current Topics in Forest Health. Coeur d'Alene, ID.  
December 10, 2010

Opportunities and Challenges to the UI Extension Forestry Specialist Position. UI CNR Extension Forestry  
Specialist Position Interview. Moscow, ID. Nov. 17, 2010.

Farm and Forest Fair Educates 5<sup>th</sup> Grade Youth. North Central Idaho Farm Bureau Winter Meeting. Orofino,  
ID. Nov. 10, 2010.

Idaho Forests and Issues. Leadership Idaho Ag. Nov. 9, 2011.

Overview of the Upper Clearwater Farm and Forest Fair. Clearwater & Lewis County Farm Bureau Annual  
Meeting. Orofino, ID. Nov. 10, 2010.

Forest Issues and Policies. Dr. Joe Geunthner's UI CALS Resource Policy Class (3 – 1 hour presentations).  
Camp Wittman, Tamany, ID. Sept. 14, 2010.

Firewise Landscaping. Upper Clearwater Community Foundation. Kamiah, ID. Aug. 2, 2010.

Using Micro-Irrigation in Your Gardens. Lapwai Brown Bag Seminar Series. Lapwai, ID. June 10, 2010

How GPS Works and How to Use GPS. Orofino High School Science Class. Orofino, ID. May 5&6, 2010.

Fate of Pesticides in the Environment. UI Lewis County PAT. Nezperce, ID. Mar. 9, 2010

Landscaping for Fire Prevention. UI Banana Belt Horticulture Series. Lewiston, ID. Feb. 23, 2010.

Forest Issues and Policies. Dr. Joe Geunthners UI CALS Resource Policy Class (3 – 1 hour presentations).  
Camp Wittman, Tamany, ID. Sept. 30, 2009.

Using Drip Irrigation for Water Conservation. UI Banana Belt Horticulture Series.  
Lewiston, ID. Feb. 10, 2009.

Drip Irrigation. UI Cultivating Success Shortcourcourse. Kamiah, ID. Dec. 10, 2008

An Introduction to Soils. UI Cultivating Success Shortcourse. Kamiah, ID. Nov. 19, 2008

The Clearwater County Sixth Grade Forestry Tour: An Overview. Rotary Club of Orofino. Orofino, ID.  
Oct. 17, 2008.

Forest Issues and Policies. Dr. Joe Geunthners UI CALS Resource Policy Class (3 – 1 hour presentations).  
Camp Wittman, Tamany, ID. Oct. 1, 2008.

Accomplishments and Achievements for Randy Brooks. Promotion Presentation. UI Dist. 1 Faculty Mtg.  
Moscow, ID. Aug. 11, 2008.

Using Watermark Moisture Sensors to Monitor Soil Moisture. Prairie Area Crop Tour, Nezperce, ID.  
July 1, 2008.

Forest Insects and Diseases. UI Forest Insects and Disease Field Day, Orofino, ID. July 25, 2008.

How to be an effective teen leader. Clearwater/Latah/Lewis/Nez Perce 4-H Camp Teen Leader Training.  
Moscow, ID. June 23-24, 2008.

Soils, The Pasture Foundation. UI CES Pasture Management Workshop. Moscow, ID. May 21, 2008.

How GPS Systems Work. UI Extension Forestry Using Your GPS Workshop. Moscow, ID. May 9, 2008.

Using Your GPS. Presented at UI Extensaion Annual Conference, Boise, ID. May 2, 2008.

Pesticide Fate after Application. Professional Pesticide Applicators Training, Lewiston, ID. Mar. 6, 2008.

Forestry Issues and Western Policies. Dr. Joe Geunthners UI CALS Resource Policy Class (2 – 1 hour presentations). Camp Wittman, Tamany, ID. Sept. 19, 2007.

How to be an effective teen leader. Clearwater/Latah/Lewis/Nez Perce 4-H Camp Teen Leader Training. Moscow, ID. June 24-25, 2007.

How to be an effective teen leader. Clearwater County Sixth Grade Forestry Tour Teen Leader Training. Orofino, ID. July 9, 2007.

How Do Global Positioning Systems Work? Using Your GPS UI Workshop. Orofino, ID. May 10, 2007.

Soils, The Pasture Foundation. UI CES Pasture Management Workshop. Kamiah, ID. May 2, 2007.

How to Test Your Soil. UI CES Pasture Management Workshop Field Day. Kamiah, ID. May 4, 2007.

Soils, Fertilizers, and Pesticides. UI CES Master Gardener Program. Kamiah, ID. Mar. 9, 2006.

Fate of Pesticides in the Environment. Lewis County Private Pesticide Applicators Meeting. Nezperce, ID. March 14, 2006.

Soils, The Pasture Foundation. UI CES Pasture Management Workshop. Riggins, ID. Apr. 18, 2006.

Tree Diseases, and Proper Pruning. UI CES Master Gardener Program, Kamiah, ID. May 4, 2006.

Fire and the Ecosystem (5 – 1 hour presentations). CLLN 4-H Camp. Dayton, WA. July 8-9, 2006.

Forestry Issues and Policies. Dr. Joe Geunthners UI CALS Resource Policy Class (3 – 1 hour presentations). Sept. 26, 2006.

Fate of Pesticides in the Environment. Lewis County Private Pesticide Applicators Meeting. Nezperce, ID. March 2, 2005.

Forestry Issues and Policies. Dr. Joe Geunthners UI CALS Resource Policy Class (3 – 1 hour presentations). Oct. 5, 2005.

What Extension Can Offer You. Fraser Grange 100<sup>th</sup> Anniversary Annual Meeting. Fraser, ID. Mar. 8, 2004.

Fate of Pesticides in the Environment. Lewis County Private Pesticide Applicators Meeting. Nezperce, ID. March 10, 2004.

The Clearwater County 6<sup>th</sup> Grade Forestry Tour. Orofino Elementary School 6<sup>th</sup> Grade. May 17, 2004.

Water Quality and Forestry. Orofino High School Science and Biology Classes. (6 – 1 hour presentations). May 31, 2004.

Forestry Issues and Policies. Dr. Joe Geunthner's UI CALS Resource Policy Class (3- 1 hour presentations). Oct. 16, 2004.

Fate of Pesticides in the Environment. Professional Pesticide Applicators Training, Lewiston, ID. March 5, 2003.

Rodent Control Options. Weed Control on Small Acreages, Orofino, ID. March 11, 2003

Come on the Sixth Grade Forestry Tour. Orofino Elementary School 6<sup>th</sup> Grade. Orofino, ID. May 16, 2003.

How to be an effective teen leader. Clearwater/Latah/Lewis/Nez Perce 4-H Camp Teen Leader Training. Camp Wittman, Tammany, ID. June 18, 2003.

How to be an effective teen leader. Clearwater County Sixth Grade Forestry Tour Teen Leader Training. Orofino, ID. July 14, 2003.

An introduction to forest resources and policies. Dr. Joe Guenthner's Ag and Natural Resource Policy Class, (3- 1 hour presentations). Moscow, ID, Oct. 8, 2003.

Farm and Forest Fair Educates Public about Ag and Natural Resources. Western Region County Agents Professional Improvement Conference. Las Vegas, NV. Oct. 27, 2003.

Fate of Pesticides in the Environment. Professional Pesticide Applicators Training, Lewiston, ID. Mar. 7, 2002.

Pruning methods and techniques. Upper Clearwater Master Gardeners. Craigmont, ID. Mar. 13, 2002.

Pesticide Labels and Pesticide Safety. Potlatch Foresters Professional Training, Kendrick, ID. Mar. 10, 2002.

Irrigation methods for water conservation. UI Xeriscape Workshop, Lewiston, ID. Apr. 30, 2002.

An introduction to forestry. Orofino Elementary 6<sup>th</sup> Grades. May 30, 2002.

Introduction to natural resources. UI 4-H Teen Conference. Jun 10-15, 2002.

Introduction to Forestry. Idaho Co. 4-H Camp. Jun. 19, 2002.

An overview of the Clearwater County 6<sup>th</sup> Grade Forestry Tour. Orofino Rotary Club. July 3, 2002.

How to be an effective teen leader. Clearwater County Sixth Grade Forestry Tour Teen Leader Training. Orofino, ID. July 15, 2002.

The Water Cycle, (5 presentations) Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. Jul. 18, 2002.

Streamwalk and water quality, 5 presentations. CLLN 4-H Camp, Dayton, WA. July 20-21, 2002.

An Introduction to forestry practices. Upper Clearwater Teachers Forestry Tour (We Grow Full Circle), Kamiah, ID. July 23-24, 2002.

- Forestry (3 outdoor presentations). NW Agribusiness Leadership Conference. Camp Wittman, Tamany, ID. Oct. 22, 2002.
- Fun with Forestry. Idaho State 4-H Leaders Forum, Boise, ID. Nov. 10, 2002.
- Applying forestry skills to after-school programs. Centers for Discovery After-School Program Site Coordinators and staff. Kamiah, ID. Nov. 13, 2002.
- Pruning fruit and landscape trees. Kamiah Tree Improvement Committee. Kamiah, ID, Dec. 10, 2002.
- Fate of pesticides in the environment. Professional Pesticide Applicators Training, Lewiston, ID. Feb. 27, 2001.
- An overview of herbicides labeled for forestry applications in Idaho. Farm Bureau Mtg. Orofino, ID. Mar. 1, 2001.
- Best management practices for gardeners. Idaho Home\*A\*Syst Workshop. Lewiston, ID. Mar. 8, 2001.
- My leadership Idaho agriculture experience. LIA Class 17, Moscow, ID. Apr. 10, 2001.
- How to be an effective teen leader. Clearwater County Sixth Grade Forestry Tour Teen Leader Training. Orofino, ID. July 5, 2001.
- The Water Cycle, 5 presentations at the Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. Jul. 11, 2001.
- Forestry (3 outdoor presentations). NW Agribusiness Leadership Conference. Camp Wittman, Tamany, ID. July 18, 2001.
- Extension in the 21<sup>st</sup> century and the role of the District Director. Interview for UI CES District 1 Director position. Moscow, ID. July 19, 2001.
- Stream Walk (5 Classes). Clearwater, Lewis, Latah, and Nez Perce County 4-H Camp. July 21-22, 2001.
- Urban irrigation and water management principles. Water Conserving Landscapes: A Xeriscape Seminar for Homeowners. Lewiston, ID. Aug. 30, 2001.
- Pruning fruit and ornamental trees. Extension Pruning Workshop. Orofino, ID. Nov. 8, 2001.
- Angling Skills for 4-H Leaders. 4-H Sportfishing Leader Training. Sandpoint, ID. Jan. 15, 2000.
- Water Quality Issues. NRCS Water Quality Meeting. Weippe, ID. Feb. 8, 2000.
- Water Quality Issues. NRCS Water Quality Meeting. Fraser, ID. Feb. 8, 2000.
- Fate of Pesticides in the Environment. Professional Pesticide Applicators Training. Lewiston, ID. Mar. 6, 2000.
- Child Protection Training. New 4-H Leader Training. Orofino, ID. Mar. 18, 2000.
- Pruning Backyard Trees and Shrubs. Pruning Workshop. Kamiah, ID. Mar. 25, 2000.
- How to be an effective teen leader. Clearwater/Latah/Lewis/Nez Perce 4-H Camp Teen Leader Training. Lewiston, ID. July 6, 2000.
- How to be an effective teen leader. Clearwater County Sixth Grade Forestry Tour Teen Leader Training. Orofino, ID. July 5, 2000.
- The Water Cycle, 5 presentations at the Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. July 13, 2000.
- Stream Walk (5 Classes). Clearwater, Lewis, Latah, and Nez Perce County 4-H Camp. July 15-16, 2000.
- Phosphorous and Nitrogen Movement in Soils. USDA Water Quality Meeting. Weippe, ID. Aug. 24, 2000.
- Watershed management practices. UI FWR Watershed Class. Moscow, ID. Nov. 13, 15, and 20, 2000.
- Pruning fruit and ornamental trees. Extension Pruning Workshop. Orofino, ID. Nov. 14, 2000.
- Forest insects and diseases of north Idaho. UI Plant Protection Seminar. Moscow, ID. Jan. 4-6, 1999.
- Personal and public safety using pesticides. Professional Pesticide Applicators Training and Testing. Genesee, ID. Mar. 1, 1999.
- Fate of pesticides in the environment. Professional Pesticide Applicators Training and Testing. Genesee, ID. Mar. 2, 1999.
- Pesticides rules and regulations. Idaho Home-A-Syst Workshop. Lewiston, ID. Mar. 16, 1999.
- Child protection training. Inland Empire Natural Resource Youth Camp Teen Leader Training. Post Falls, ID. March 20, 1999.
- Raising, fitting and showing 4-H pigs. 4-H Swine Workshop. Orofino, ID. Apr. 8, 1999.
- Taking care of your 4-H beef project. Clearwater County 4-H Beef Spring Weigh-in. Orofino, ID. Apr. 24, 1999.
- Taking care of your market swine project. Clearwater County 4-H Swine Weigh-in. Orofino, ID. Jun 12, 1999.
- Forestry (10 presentations/class sessions). Inland Empire Natural Resources Youth Camp. Harrison, ID. Jun. 14-18, 1999.
- How to be an effective teen leader. Clearwater/Latah/Lewis/Nez Perce 4-H Camp Teen Leader Training. Lewiston, ID. Jun. 22, 1999.

- How to be an effective teen leader. Clearwater County Sixth Grade Forestry Tour Teen Leader Training. Orofino, ID. Jun. 30, 1999.
- The Water Cycle, 5 presentations at the Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. Jul. 8, 1999.
- Rappelling. Clearwater, Lewis, Latah, and Nez Perce County 4-H Camp. July 17-18, 1999.
- Accomplishments and Achievements for Randy Brooks. P&T Presentation. UI District 1 Faculty Mtg. Sept. 2, 1999.
- Angling Skills for 4-H Leaders. 4-H Sportfishing Leader Training, Ketchum, ID. Sept. 25-25, 1999.
- Nitrogen Management for Potato Varieties. Soil Science Position Interview. Moscow, ID. Oct. 18, 1999.
- The Role of an Extension Specialist in Irrigated Ag. Soil Science Position Interview. Twin Falls, ID. Oct. 19, 1999.
- Forest practices effects on water quality. Logger Education to Advance Professionalism. St. Maries, ID. Nov. 4, 1999.
- Pruning Trees and Shrubs. Pruning Workshop. Kamiah, ID. Nov. 9, 1999.
- Soils and soil fertility. Farm Home Borrowers Training, Craigmont, ID. Jan. 29, 1998.
- The systems approach to livestock judging. Twin Ridge 4-H Club. Orofino, ID. Feb. 21, 1998.
- Child Protection and other 4-H information. New 4-H leaders training, Orofino, ID. Feb. 26, 1998.
- How to prune trees. Extension Pruning Workshop, Orofino, ID. Feb. 28, 1998.
- Child Protection and other 4-H information. New 4-H leaders training, Weippe, ID. Mar. 5, 1998.
- All about 4-H rabbits and chickens. Clearwater Headstart Program. Orofino, ID. Apr. 15, 1998.
- Forestry basics. Earth Day 4<sup>th</sup> Grade Activity Day. Orofino, ID. Apr. 22, 1998.
- The systems approach to livestock judging. Clearwater County 4-H Spring Beef Show. Orofino, ID. Apr. 25, 1998.
- Drip irrigation for home owners. Advance Master Gardener Training. Orofino, ID. Apr. 27, 1998.
- Come join the 6<sup>th</sup> grade forestry tour. Orofino Elementary School 6<sup>th</sup> graders. Orofino, ID. May 15, 1998.
- Forestry for 4-H'ers. Idaho County 4-H Camp. Camp 3 Meadows, Clearwater Co. Jun. 11, 1998.
- Forestry (10 presentations). Inland Empire Natural Resource Youth Camp (IENRYC). Harrison, ID. Jun. 14-20, 1998.
- Child protection and teaching principles. IENRYC Instructors. Harrison, ID. Jun 14, 1998.
- What to expect at 4-H camp. CLN 4-H Camp Teen Leader Training. Orofino, ID. Jun. 23, 1998.
- The Water Cycle, 5 presentations at the Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. Jul. 9, 1998.
- Irrigation Practices. Small farms for fun and profit. Lewiston, ID. Aug. 14, 1998.
- An overview of forest herbicides and their mode of action. UI Nursery Pesticide Workshop, Moscow, ID. Oct. 1, 1998.
- Introduction to Special Forest Products. Income Opportunities from Natures Free Bounty. Moscow, ID. Nov. 7, 1998.
- Calibrating backpack sprayers. NCIA Horticulture Recertification Seminar. Orofino, ID. Jan. 15, 1997.
- Understanding herbicide resistance. NCIA Horticulture Recertification Seminar. Orofino, ID. Jan. 15, 1997.
- An introduction to soils. FmHA Borrower Farm Financial Training, Craigmont, ID. Jan. 16, 1997.
- Calibrating backpack sprayers. NCIA Horticulture Recertification Seminar. Moscow, ID. Jan. 23, 1997.
- Understanding herbicide resistance. NCIA Horticulture Recertification Seminar. Moscow, ID. Jan. 23, 1997.
- Understanding the new 4-H enrollment forms. 4-H Leaders Training, Orofino, ID. Jan 23, 1997.
- Understanding the new 4-H enrollment forms. 4-H Leaders Training, Weippe, ID. Jan 30, 1997.
- A background on the Cooperative Extension System. Clearwater Valley Hospital Auxillary. Feb. 3, 1997.
- Child protection act and 4-H. Teen Leader Training, Orofino, ID. Feb. 7, 1997.
- Pruning trees properly. Pruning shortcourse. Orofino, ID. Feb. 27, 1997.
- A background on the Cooperative Extension System. Kiwanis Club, Orofino, ID. Mar. 11, 1997.
- Understanding the herbicide label. Clearwater County Weed Fair, Orofino, ID. Mar. 22, 1997.
- Understanding the water cycle. Orofino Elementary School 2 grade, Orofino, ID. Mar. 26, 1997.
- All about chickens and rabbits at Easter time. Clearwater County Head Start, Orofino, ID. Mar. 27, 1997.
- Law Day in Clearwater County. Promote understanding of Extension's role at the county level, Apr. 5, 1997.
- Welcome to Clearwater County. Northern Idaho Homemaker's Council Annual Meeting. Apr. 18, 1997.
- Having goats as pets. Clearwater County Headstart, Orofino, ID. May 6, 1997.
- Basic forestry in the woods. Orofino Jr. High Gifted and Talented, Orofino, ID. May 16, 1997.
- The job of an Extension Educator. Weippe Jr. High Career Awareness Day, Weippe, ID. May 20, 1997.
- Issues in Extension. District I CES County Secretaries Workshop, Orofino, ID. May 22, 1997.
- Preparing for the private pesticide applicators license. Training for initial exam, Orofino, ID. Jun. 2, 1997.

Forestry and the Environment.(10 presentations). UI Natural Resources Youth Camp. Ketchum, ID. Jun. 8-14, 1997.

The proper use of pruning shears. Thinning and Pruning Field Day, St. Maries, ID. Jun. 21, 1997.

Cultural Youth Exchange (CYE) to Pennington County, Minnesota. Program Leader. Jun. 24-30, 1997.

The Water Cycle, Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. Jul. 10, 1997.

Survival in the Outdoors, CLN 4-H Camp, July 19-20, 1997.

What is the Cooperative Extension System? Retired Federal Workers, Orofino, ID. Oct. 2, 1997.

Landscaping for Fire Prevention, Grangeville, ID. Oct. 7, 1997.

The Forestry 4-H Curriculum and Project, State 4-H Leaders Forum, Lewiston, ID. Oct. 12, 1997.

4-H Achievements, Peck 4-H Community Club, Peck, ID. Oct. 20, 1997.

4-H Achievements, Twin Ridge 4-H Community Club, Orofino, ID. Oct. 21, 1997.

4-H Achievements, Riverside 4-H Community Club, Orofino, ID. Oct. 25, 1997.

4-H Achievements, Weippe 4-H Community Club, Weippe, ID. Oct. 27, 1997.

4-H Achievements, Fraser 4-H Community Club, Fraser, ID. Oct. 28, 1997.

4-H Achievements, Pierce 4-H Community Club, Pierce, ID. Oct. 30, 1997.

4-H Achievements, Cavendish 4-H Community Club, Cavendish, ID. Nov. 3, 1997.

An overview of forest herbicides and their mode of action. Current Topics in Farm and Forest Health, Dec. 12, 1997.

4-H opportunities in Clearwater County, Clearwater Youth Alliance, Orofino, ID. Dec. 17, 1997.

How water can become contaminated. Murtaugh High School Eighth Grade Science Class, Murtaugh, ID. Jan.31, 1996.

Surge Irrigation Principles and Management. CSI Irrigation Class, Twin Falls, ID. Feb. 8, 1996.

Drip Irrigation Principles and Management. CSI Irrigation Class, Twin Falls, ID. Feb. 15, 1996.

Sprinkler System Maintenance - Avoiding Costly Breakdown in Mid-season. Idaho Power Energy Efficient Irrigation Workshop, Ashton, ID. Feb. 21, 1996.

Sprinkler System Maintenance - Avoiding Costly Breakdown in Mid-season. Idaho Power Energy Efficient Irrigation Workshop, Ririe, ID. Feb. 21, 1996.

Environmental Garden Management. Master Gardener Training, Jerome, ID. Feb. 22, 1996.

Environmental Garden Management. Master Gardener Training, Twin Falls, ID. Feb. 22, 1996.

Sprinkler System Maintenance - Avoiding Costly Breakdown in Mid-season. Idaho Power Energy Efficient Irrigation Workshop, Mackay, ID. Feb. 23, 1996.

Sprinkler System Maintenance - Avoiding Costly Breakdown in Mid-season. Idaho Power Energy Efficient Irrigation Workshop, Howe, ID. Feb. 23, 1996.

Winter Survival and Water Quality. 4-H Winter Camp, Ketchum, ID. Mar. 1-2, 1996.

Irrigation and water management in gardens. Master Gardener Training, Rupert, ID. Mar. 25, 1996.

Garden Irrigation Management. Advanced Master Gardener Training, Twin Falls, ID. Apr. 25, 1996.

Environmental Soils. Oakley High School FFA Envirothon Team, Oakley, ID. Apr. 1, 1996.

Environmental Soils. Declo High School FFA Envirothon Team, Declo, ID. Apr. 1, 1996.

Environmental Soils. Burley High School FFA Envirothon Team, Burley, ID. Apr. 3, 1996.

Environmental Soils. Raft River High School FFA Envirothon Team, Malta, ID. Apr. 3, 1996.

Growth and Survival of Outplanted Conifer Seedlings after Soil Fumigation and Herbicide Applications in the Northern Great Lakes Region. Ph.D. Dissertation Defense Seminar, Michigan Technological University, Houghton, MI. May 23, 1996.

Environmental Soils (10 presentations). UI Natural Resources Youth Camp, Ketchum, ID. Jun. 9-15, 1996.

Child protection and 4-H. CLN 4-H Camp Teen Leader Training. Jun. 20, 1996.

The water cycle. 5 presentations at the Clearwater County 6th Grade Forestry Tour. Jul. 11, 1996.

Obtaining your pesticide applicators license. Initial training session, Orofino, ID. Jul. 15, 1996.

What to do with your projects at the fair. Clearwater County Fair 4-H youth. Sep. 11-13, 1996.

Obtaining your pesticide applicators license. Initial training session, Orofino, ID. Sep. 23, 1996.

Buried drip irrigation design for center pivot corners. UI Annual Conference Information Exchange. Moscow, ID. Oct. 22, 1996.

Drip Irrigation for Home Gardens. Master Gardeners, Gooding, ID. Feb. 21, 1995.

Drip Irrigation for Home Gardens. Master Gardeners, Hailey, ID. Feb. 21, 1995.

Drip Irrigation for Production Agriculture. Sugarbeet Co. Reps., Mt. Home, ID. Feb. 22, 1995.

Water Quality & Winter Survival. 4-H Winter Camp, Ketchum, ID. Mar. 4, 1995.

Fertilizer Placement in Cold Soils. Blaine County Cereal School, Hailey, ID. Mar. 10, 1995.

Soils and the Environment. Cassia County Envirothon Team, Burley, ID. Mar. 14, 1995.

Irrigating Alfalfa Hay. Jerome County Forage School, Jerome, ID. Mar. 15, 1995.

Irrigating Alfalfa Hay. Cassia County Forage School, Burley, ID. Mar. 15, 1995.

Drip Irrigation Update & Results. Snake River Water Quality Demo Project Annual Meeting, Rupert, ID. Mar. 15, 1995.

Designing & Installing a Drip Irrigation System. Master Gardeners, Ketchum, ID. Mar. 22, 1995.

Principle of Surge Irrigation. CSI Irrigation Class, Twin Falls, ID. Mar. 23, 1995.

Potato Production Using Subsurface Drip Irrigation. Water & Nitrogen Mgt. 5th International Microirrigation Congress, Orlando, FL. Apr. 4, 1995.

Waterflow Model Presentation. Fairfield Elementary School, Fairfield, ID. Apr. 21, 1995.

Water Quality Presentation. 4-H Clubs, Burley, ID. May 8, 1995.

Water Quality in the Mini-Cassia Area. West Minico Environmental Science Class, Paul, ID. May 11, 1995.

Water Quality and Groundwater. 10 Presentations to Jerome Schools, Jerome, ID. May 12, 1995.

Environmental Soils (10 presentations). UI Natural Resources Youth Camp. Ketchum, ID. Jun. 12-17, 1995.

Drip Irrigation Applications for Organic Gardening. Magic Valley Organic Gardeners Club, Filer, ID. Jun. 13, 1995.

Water Quality. 4-H Camp, Ketchum, ID. Jun. 26, 1995

The Idaho Snake River Water Quality Demonstration Project. Coors Field Day, Burley, ID. Jul. 11, 1995.

The Idaho Snake River Water Quality Demonstration Project. Dupont Field Day, Burley, ID. Jul. 13, 1995.

Potential for Drip Irrigation in the Magic Valley. Magic Valley Fieldmen's Breakfast, Twin Falls, ID. Jul. 26, 1995.

Irrigation Scheduling and Soil Moisture Monitoring. Minidoka Soil and Water Conservation District Summer Tour, Rupert, ID. Jul. 26, 1995.

Water and Water Pollution. Twin Falls Alternative High School, Twin Falls, ID. Sep. 13, 1995.

Water Quality. Big Valley 5th & 6th Grades, Paul, ID. Sep. 18, 1995.

Water Quality. St. Nicholas 5th Grade, Paul, ID. Sep. 19, 1995.

Water & Water Quality. Harrison School 6th Graders (3 Presentations), Twin Falls, ID. Sep. 19, 1995.

Water Quality and Groundwater. Mini-Cassia Alternative High School, Group 1, Rupert, ID. Sep. 20, 1995.

Water Quality and Groundwater Mini-Cassia Alternative High School, Group 2, Rupert, ID. Sep. 21, 1995.

Water Quality and the Environment. Acequia 5th & 6th Grades, Acequia, ID. Sep. 22, 1995.

Preventing Water Pollution. Big Valley 5th Grade, Paul, ID. Sep. 25, 1995.

Plants, Water & Soils. Murtaugh Elementary School, Murtaugh, ID. Sep. 29, 1995.

Working with Producers: The Cooperative Effort. 3rd Annual Non-Point Source Watershed Monitoring Workshop, Seattle, WA. Oct. 3, 1995.

Water Contamination and Waste Disposal. Murtaugh High School Science Class. Nov. 13, 1995.

BMP's for Nutrient and Irrigation Water Management. SCS personnel, Burley, ID. Jan 6, 1994.

Water Conservation Techniques for Irrigated Agriculture. Idaho Water Users Association Annual Mtg., Boise, ID. Jan. 13, 1994.

Irrigation Practices to Maintain Water Quality. presented at Idaho Power Irrigation Efficiency Workshop, Burley, ID. Feb. 9, 1994.

Irrigating Alfalfa Hay. University of Idaho Forage school, Twin Falls, ID. Feb. 24, 1994.

Irrigating Alfalfa Hay. University of Idaho Forage school, Burley, ID. Feb. 24, 1994.

Water Conservation and Water Measurements. Minidoka Irrigation District Annual Meeting., Rupert, ID. Feb. 28, 1994.

Surge Irrigation. University of Idaho Bean School, Burley, ID. Feb. 8, 1994.

Snake River Demonstration Project Activities. Snake River Demonstration Project Annual Meeting, Burley, ID. Mar. 3, 1994.

Watermark Moisture Sensors. Landview Fertilizer employees meeting, Rupert, ID. Mar. 29, 1994.

Water Quality in Riparian Areas. Oakley FFA class, Oakley, ID. Mar. 2, 1994.

Water Quality in Riparian Areas. Cassia County Commissioners and the Wild Rose Cattle Grazing Association meeting, Oakley, ID. Apr. 1, 1994.

Idaho Envirothon Activities. Cassia County FFA students, Burley, ID. Apr. 15, 1994.

Drip Irrigation and Dairy Manure Composting. Presented to Wyoming Extension Agents, Burley, ID. May 17, 1994.

Drip Irrigation Techniques. Presented to Nevada Extension Agents, Burley, ID. May 25, 1994.

Demonstration Project Overview. Presented to Idaho DEQ personnel, Burley, ID. Jun. 1, 1994.

Demonstration Project Overview. Presented to Idaho SCS personnel, Burley, ID. Jun. 2, 1994.

Water and Water Quality. 4 presentations made to Twin Falls 6th grade students, Ketchum, ID. Jun 8, 1994.

Demonstration Project Overview. Presented to Terry D'Addio, Assistant Secretary of Ag's office, Burley, ID. Jun. 9, 1994.

Environmental Soils (10 presentations). UI Natural Resources Youth Camp, Ketchum, ID. Jun. 13-19, 1994.

How to Fill Out 4-H Record Books. Mini-Cassia 4-H Achievement Day, Rupert, ID. Jun. 23, 1994.

Water and Water Quality. 4 presentations made at 4-H teen camp, Ketchum, ID. Jun. 30, 1994.

Water and Water Quality. 4 presentations made at 4-H camp, Ketchum, ID. July 7, 1994.

Drip Irrigation. Presented to District III Extension Agents, Burley, ID. Jul. 9, 1994.

Soil Moisture Monitoring. Idaho Power LEPA tour, Burley, ID. Jul. 22, 1994.

Groundwater Movement and Contamination. A&B Irrigation District personnel mtg., Rupert, ID. Jul. 22, 1994.

Watermark Moisture Sensors. Murtaugh area farmers and fieldmen tour, Murtaugh, ID. Jul. 24, 1994.

Water Quality Demonstration Project Overview. EPA and DEQ personnel at EPA 319 Project Review Tour, Burley, ID. Aug. 8, 1994.

Water and Water Quality. 4 presentations made to Twin Falls 6th grade students, Ketchum, ID. Sept. 14, 1994.

Water Movement and Water Quality. Twin Falls Alternative High School, Twin Falls, ID. Sept. 21, 1994.

Water Movement and Water Quality. Minico High School FFA, Rupert, ID. Sept. 27, 1994.

Water Quality and 'Fred the Fish'. Kimberly Elementary School Fourth Grade, Kimberly, ID. Oct. 10, 1994.

Irrigation Effects on Groundwater. SWCA Annual Meeting., Twin Falls, ID. Dec 13, 1994.

Water Quality in the Mini-Cassia Area. Rupert Kiwanis, Rupert, ID. Dec. 27, 1994.

Nitrogen Management in an IPM System for Russet Burbank and Selected Potato Cultivars. UI Potato School, Pocatello, ID. Jan 20, 1993.

Potential Impact of New Potato Varieties. UI Potato School, Pocatello, ID. Jan. 21, 1993.

Nitrogen Use Efficiency by Timing and Rate to Optimize Yield and Sucrose of Irrigated Sugarbeets. UI Sugarbeet School, Burley, ID. Feb. 2, 1993.

Nitrogen Use Efficiency by Timing and Rate to Optimize Yield and Sucrose of Irrigated Sugarbeets", Co-author, UI Sugarbeet School, Twin Falls, ID. Feb. 3, 1993.

Nitrogen Use Efficiency by Timing and Rate to Optimize Yield and Sucrose of Irrigated Sugarbeets", UI Sugarbeet School, Caldwell, ID. Feb. 4, 1993.

Soils, Fertilizers, and Composting. Master Gardener Training, Idaho Falls, ID. Feb. 11, 1993.

Soils, Fertilizers, and Composting. Master Gardener Training, Pocatello, ID. Feb. 11, 1993.

Environmental Soils (10 presentations). UI Natural Resources Youth Camp, Ketchum, ID. Jun 7, 1993.

Water Quality. 4-H Camp. Ketchum, ID. July 8, 1993.

Water Quality. 4-H Camp. Ketchum, ID. July 14, 1993.

Cooperative Extension System Activities in the Idaho Snake River Plain Water Quality Demonstration Project. National Review Team, Burley, ID. Aug. 30 - Sept. 1, 1993.

Disposal of Household Hazardous Waste. Cassia County Chapter of AARP, Burley, ID. Sept. 5, 1993.

What the Idaho Snake River Plain Water Quality Demonstration Project is Demonstrating. Project WET Training, Burley, ID. Sept. 9, 1993.

Water Quality Project Update. SCS, DEQ, and Steering Committee representatives, Burley, ID. Sept. 27, 1993.

Environmental Soils (10 presentations). UI Natural Resources Youth Camp, Ketchum, ID. Jun. 7-13, 1992.

Soils (4 presentations). South Central Idaho 4-H Camp. Ketchum, ID. July 8, 1992.

Environmental Soils (10 presentations). UI Natural Resources Youth Camp. Jun. 9-15, 1992.

#### **Field Demonstrations/ Small Plot Research:**

Biofuels from Forest Residuals. Part of BANR grant. 2014-2018.

Estimating Forest Residuals. Part of NARA grant. 2011-2016.

Make Your Own Pellets. Part of BANR grant. 2014-2018

On Farm Evaluation of Slow-Release Nitrogen for Winter Wheat Production in High Precipitation Areas of North Central Idaho (2007-2009) STEEP/Hatch Funding.

Hybrid Poplar Trials in cooperation with NRCS and Clearwater RC&D, 1998-2000.

Three Drip Irrigation and Irrigation Management Demonstration Projects, 1996.

Two Watermark Moisture Sensor and Irrigation Scheduling Projects, 1996.

Nine Watermark Sensor Irrigation Scheduling Demonstrations - Minidoka and Cassia Counties, 1995.

One Nutrient Management Demonstration on Small Grains, Cassia County, 1995.  
 Two Nutrient Management Demonstrations on Potatoes, Minidoka and Cassia Counties, 1995.  
 Two Nutrient Management Demonstrations on Sugarbeets, Minidoka County, 1995.  
 Two Drip Irrigation System Demonstrations on Potatoes, Cassia and Jerome Counties, 1995.  
 Two Drip Irrigation System Demonstrations on Raspberries, Cassia and Minidoka Counties, 1995.  
 Surge Irrigation and Straw Mulching Demonstrations, Minidoka County, 1995.  
 One Drip Irrigation Demonstration on Watermelons, Gooding County, 1995.  
 One Drip Irrigation Demonstration on Truck Crops, Cassia County, 1995.  
 Twelve (12) Watermark Sensor Irrigation Scheduling Demonstrations - Minidoka and Cassia Counties, 1994.  
 One Nutrient Management Demonstration on Small Grains, Minidoka County, 1994.  
 Four Nutrient Management Demonstrations on Potatoes, Minidoka and Cassia Counties, 1994.  
 Two Nutrient Management Demonstrations on Sugarbeets, Minidoka County, 1994.  
 Two Drip Irrigation System Demonstrations on Potatoes, Minidoka County, 1994.  
 Two Drip Irrigation System Demonstrations on Raspberries, Cassia and Minidoka Counties, 1994.  
 Surge Irrigation and Straw Mulching Demonstrations, Cassia County, 1994.  
 One Watermark Sensor Irrigation Scheduling Demonstration, Minidoka County, 1993.  
 Two Nutrient Management Demonstrations on Small Grains, Minidoka County, 1993.  
 Two Nutrient Management Demonstrations on Potatoes, Minidoka and Cassia Counties, 1993.  
 Three Nutrient Management Demonstrations on Sugarbeets, Minidoka County, 1993.  
 One Drip Irrigation System Demonstration on Potatoes, Minidoka County, 1993.

## SCHOLARSHIP ACCOMPLISHMENTS

### Refereed Journal Publications

Cochran, A., R. Brooks and A. McDonald. Alternative bioenergy: 2021. Small scale pellet production from forest residuals. In preparation for the Forest Products Journal.

Casey, J., R. Brooks, J. Either, R. Keefe, and A. Nelson. 2021. Using Logging Residues as Biofuel Feedstocks in the Pacific Northwest: Estimating Slash Pile Volumes with Low-cost, Lightweight Terrestrial LiDAR. Submitted to Sensors.

Scott Sprague, Randy Brooks, Chris Schnepf, Mark Kimsey. Examining the Perceptions of Interagency and Private Wildland Firefighters. 2021. Submitted to Fire.

Collins, C., R. Brooks, B. Sturz, A. Nelson, and R. Keefe. 2018. Body Composition Changes of US Smokejumpers During the 2017 Fire Season. *Fire* 2018, 1(3), 48; <https://doi.org/10.3390/fire1030048>

Newman, S., R. Keefe, R. Brooks, E. Ahonen, and A. Wempe. 2018. Human factors affecting logging injury incidents in Idaho and the potential for real-time location-sharing technology to improve safety. *Safety* 2018, 4(4), 43; <https://doi.org/10.3390/safety4040043>

Moroney, J., T. Laninga, and R. Brooks. 2016. Slash and Learn: Revealing Stakeholder Knowledge, Support, and Preferred Communication Methods Relative to Wood-Based Biofuels Projects. *Journal of Extension*, 54:5. 5RIB10. Available online at: <https://joe.org/joe/2016october/rb10.php>

Saralecos, J., R. Keefe, R. Brooks, W. Tinkham and L. Johnson. 2015. Operational Influences Affecting Sawlog Weight and Volume Relationships in the Intermountain West. *Forest Products Journal*. *West. For. Prod. J. Vol. 65:1*, pp. 198-208

Brooks, R.H., and J. Maroney. 2014. Forestry Tour Educates Youth in North Central Idaho. *Journal of Extension*, Vol. 52, No. 4. Available at: <http://www.joe.org/joe/2014august/iw4.php>

Saralecos, J., R. Keefe, W. Tinkham, R. Brooks, A. Smith, and L. Johnson. 2014. Effects of Harvesting Systems and Bole Moisture Loss on Weight Scaling of Douglas-fir Sawlogs (*Pseudotsuga menziesii* var. *glauca* Franco). *Forests* 5:2289-2306. doi:10.3390/f5092289.

Saralecos, J., R. Keefe, R. Brooks, W. Tinkham and L. Johnson. 2014. Operational Influences Affecting Sawlog Weight and Volume Relationships in the Intermountain West. Canadian Journal of Forest Research. Journal of Forest Products. <http://www.forestprodjournals.org/doi/pdf/10.13073/FPJ-D-14-00087>

Brooks, R.H., Hart, K.N., and Church, J.A. 2009. Farm and Forest Fair Educates Fifth Graders about Natural Resource Issues. Journal of Extension. Volume 47, Number 3, 3IAW4.

Tindall, T.A., J.C. Stark, and R.H. Brooks. 1995. Irrigated spring wheat response to top dressed nitrogen as predicted by flag leaf nitrogen concentration. J. Prod. Ag. 8:121-131.

#### Peer Reviewed/Evaluated:

##### Extension Publications:

Hart, K., R. Brooks, and J. Church. 2020. Pasture Principle for Small Acreages. UI Extension Bul. 849.

Online at:

<https://www.extension.uidaho.edu/detail.aspx?IDnum=2533&title=Search&category1=Search&category2=NULL>

Heppenstall, M., P. Townsend and R. Brooks. 2019. Sustainability and sourcing of woody biomass for industrial boilers in the Pacific Northwest. Washington State University Extension. In Revision

Saralecos, J., and R. Brooks. Understanding Weight Scaling Options. 2018. A Pacific Northwest Extension Publication. University of Idaho • Oregon State University • Washington State University. In Review.

Hubbel, K, Y. Barkley, J.R. Pinto, R.K. Dumroese, S. Deristin, R. Joseph, R. Brooks, A.S. Davis. 2016. *Tree Planting in Haiti: How to plant and care for your nursery grown seedlings*. University of Idaho Forest Wildlife and Range Experiment Station Bulletin #103; Contribution #1089. English edition. 2 pp. [Also released in Haitian Creole and French.]

Brooks, R., Y. Barkley, R. Keefe, M. Kimsey, A. McFarland, and C. Schnepf. 2015. Idaho Forestry Best Management Practices. UI College of Agriculture Bulletin 891.

Brooks, R., A. McFarland, and C. Schnepf. 2011. Grass Seeding Forest Roads, Skid Trails, and Landings in the Inland Northwest. PNW 628. A Pacific Northwest Extension Publication. University of Idaho • Oregon State University • Washington State University.

Hart, Kenneth, Randall Brooks, and James Church. Pasture Principles for Smaller Acreages. 2008. University of Idaho. BUL 849, College of Agricultural and Life Sciences, Educational Communications.

Brooks, Randy and Ron Mahoney. Management Planning for the Family Forest Owner. 2007. University of Idaho. CIS 1141, College of Agricultural and Life Sciences, Educational Communications.

##### Abstracts and Proceedings:

Brooks\*, R. and C. Collins. Understanding factors contributing to wildland firefighter health and safety:

Assessing sleep and fatigue on the fireline. Presented at 15th International Wildland Fire Safety Summit and 5th Human Dimensions of Wildland Fire Conference. Asheville, NC. Dec. 13, 2018.

Brooks, S., Collins, C., Roe, A., Brown, K., Smith, A.M.S., Kolden, C., Nelson, A.S., Brooks, R., and Ramsay, S. 2017. Wildland firefighters' self-reported nutrition and hydration concerns that may impact health and safety. *Presented at:* Society for Nutrition Education and Behavior 50<sup>th</sup> Annual Conference. Washington, D.C. July 20-24. Journal of Nutrition Education and Behavior 49(7) S85.

Cochran, A. R. Brooks, A. McDonald, R. Keefe, and K. Englund. Alternative bioenergy: Small scale pellet production from forest residues. Forest Products Society. Portland, OR. June 6, 2016.

Brooks, R, and A. Cochran. 2015. Small Scale Pellet Production as Alternative Bioenergy from Forest Residuals. National Extension Energy Summit. Seattle, WA. April 7-9, 2015.

Brooks, R., A. Cochran, and R. Keefe. 2014. Assessing Idaho Logger Attitudes Towards Harvesting Beetle-Killed Pine. Presented at BANR Grant Annual Meeting. Oct. 1-3, 2014. Moscow, ID.

- Keefe, R, and R. Brooks. 2014. Estimating sustainability metrics based on forest area required to supply our annual wood use in the United States. Poster presented at SAF National Meeting and IUFRO International Conference, Oct. 9, 2014. Salt Lake City, UT.
- Coleman, M., R. Brooks, and A. MacDonald. 2014. Utilization of Forest Biomass through Mobile Fast Pyrolysis. Presented at Washington DNR Biomass Conference, Stevenson, WA. May 7-8, 2014.
- Brooks, R. and C. Schnepf. UI Extension Forestry Activities. Forestry Day at the Legislature. Boise, ID. Feb. 11, 2014.
- Brooks, R., J. Moroney, R. Keefe, and T. Laninga. 2013. Biomass Survey of Idaho Loggers. NARA Annual meeting, Corvallis, OR. Sept.12, 2013.
- Brooks, R., J. Moroney, R. Keefe, and T. Laninga. 2013. Biomass Survey Assessment of Idaho Forestry Extension Stakeholders. International Wood Composite Symposium. Seattle, WA. April 2-4, 2013.
- Moroney, Jillian, T. Laninga, and R. Brooks . Clearwater Basin Bioenergy Survey. Idaho Chapter of the American Planning Association Annual Conference, Boise, ID. Oct. 10-12, 2012
- Brooks, Randy, J. Moroney, and T. Laninga. Clearwater Basin Bioenergy Survey. Northwest Bioenergy Research Symposium and Future Energy Conference, Seattle, WA. Nov. 13-14, 2012
- Brooks, R., J. Moroney and T. Laninga. Clearwater Basin Bioenergy Survey of Community Leaders. Future Energy Conference, Seattle, WA. Nov. 12-14, 2012.
- Brooks, R. and J. Moroney. Natural Resource Tour Educates Youth. NARA Annual Meeting, Missoula, MT. Sept. 12-14, 2012.
- Brooks, R. and J. Moroney. Clearwater County Forestry Tour: A Knowledge Assessment. NARA Annual Meeting, Missoula, MT. Sept. 12-14, 2012.
- Moroney, J. and R. Brooks. Clearwater Basin Bioenergy Survey. The International Wood Composite Symposium. Seattle, WA. April 11-13, 2012.
- Brooks, R.H. Forestry Tour Educates Teachers and Youth. National Conference on Climate and Forests. Flagstaff, AZ. May 16-19, 2011.
- Hart, K.N., Brooks, R.H., Guy, S.O. and H Kok, 2010. On Farm Evaluation of Slow-Release Nitrogen for Direct Seeded Winter Wheat Production in High Precipitation Areas of North Central Idaho. PNW Direct Seed Conference, PNW Direct Seed Conference, Kennewick, WA, January 20-21, 2010.
- Brooks, R.H., and C. Schnepf, 2004. Forest Stewardship Programming in Idaho. In: Western Region County Agricultural Agents Professional Improvement Conference Proceedings.
- Brooks, R.H., D.L. Barton, J.A. Church, and K.N. Hart, 2003. Farm and forest fair educates public about natural resources. In: Western Region County Agricultural Agents Professional Improvement Conference Proceedings.
- Hart, K.N., D.L. Barton, R.H. Brooks, and J.A. Church. 2003. Tilling the soil of opportunity curriculum for FSA borrower training. In: Western Region County Agricultural Agents Professional Improvement Conference Proceedings.
- King, B.A., B. Izadi, M.S. Ashraf, R.H. Brooks, and W.H. Neibling. 1996. On-farm comparison of polyacrylamide and straw mulch on dry bean yield, irrigation performance and erosion. Presented at Managing irrigation-induced erosion and infiltration with polyacrylamide, May 5-6, 1996, Kimberly, ID. Conf. Proc. Univ. Idaho Misc. Publ. No. 101-96. 18 p.
- Neibling, W.H., R.H. Brooks, and J.E. Hockema. 1995. Buried drip irrigation design for center pivot corners. Presented at 1995 Pacific Northwest ASAE/CSAE Section Meetings, Harrison Hot Springs, B.C., October 1-3, 1995. Paper No. PNW 95-211. 9p.
- Tindall, T.A., J.C. Stark, and R.H. Brooks. 1995. Predicting protein increases from topdressing N to spring wheat using flag leaf N. Western Nutrient Mgt. Conf. Proc. Salt Lake City, Vol. 1 pp. 178-188.
- Johnson, C.L., T.A. Tindall, M. Thornton, R.H. Brooks, and R.G. Gavlak. 1995. Petiole nitrate nitrogen sufficiency curves in newly developed potato cultivars. Western Nutrient Mgt. Conf. Proc. Salt Lake City, Vol. 1, pp. 189-196.
- Johnson, C.L., T.A. Tindall, M. Thornton, and R.H. Brooks. 1995. Petiole nitrate sufficiency curves in newly developed potato cultivars. 1995 U of I Winter Commodity School Proc. Vol. 27, pp. 209-217.
- Neibling, W.H. and R.H. Brooks. 1995. Potato production using subsurface drip irrigation - water and nitrogen management. In: Proc. 5th International Microirrigation Congress. April 2-6, 1995. Orlando, FL. Am. Soc. Agric. Engrs. pp. 656-663.
- Neibling, W.H., T.A. Tindall, and R.H. Brooks. 1995. Dual wall drip irrigation for improved potato production. In Idaho Potato Research and Extension Proposals for Cooperative Action. FY '96.
- Morishita, D.W., R.W. Downard, and R.H. Brooks. 1994. Effect of barley seeding rate and herbicide rate on weed control and crop yield in spring barley. In 1994 West. Soc. Weed Sci. Res. Prog. Rept.

- Tindall, T.A. and R. H. Brooks. 1994. Controlling sedimentation in riparian areas from arable lands. In Water Quality 2000 Proceedings, Boise, ID. Jan. 24, 1994.
- Stark, J.C., I.R. McCann, D.T. Westerman, B. Izadi, T.A. Tindall, and R.H. Brooks. 1993. Potato response to split nitrogen timing with varying amounts of excessive irrigation. PSA MS NO p. 2-55.
- Tindall, T.A. and R. H. Brooks. 1993. Satisfying sugarbeet nitrogen needs while reducing environmental impacts. In UI WCSP-1993 proc. p. 244-248.
- Tindall, T.A., R. H. Brooks, and W.H. Neibling. 1993. Irrigation and nitrogen management for increased N-efficiency in sugarbeets. In UI WCSP-1993 proc. p. 240-243.
- Tindall, T.A., M.K. Thornton, and R.H. Brooks. 1993. Nitrogen management in an IPM system for Russett Burbank and selected potato cultivars. In 1993 UI WCSP Proc. p. 155-164.
- Tindall, T.A., R.H. Brooks, and W.H. Neibling. 1993. Controlling nitrate leaching through effective irrigation management in sugarbeets. In 1993 Agronomy Abstracts.
- Brooks, R.H., M.F. Jurgensen, and G.D. Mroz. 1993. Increasing growth and survival of conifer seedlings using soil fumigation and herbicides on spodosols in the Upper Peninsula of Michigan. In 1993 Agronomy Abstracts.
- Johnson, C.L., T.A. Tindall, M.K. Thornton, and R.H. Brooks. 1993. Petiole nitrate nitrogen sufficiency levels in newly developed potato cultivars in Idaho. In 1993 Agronomy Abstracts.
- Tindall, T.A. and R.H. Brooks. 1992. Incremental N application of sugarbeets for increased N-use efficiency. In 1992 Agronomy Abstracts.
- Tindall, T.A., M.K. Thornton, R.H. Brooks, and J.M. Torrell. 1992. Nitrogen management in an IPM system for Russett Burbank and selected potato cultivars. In 1992 UI WCSP Proc. p 118-122.
- Tindall, T.A., R.H. Brooks, and J.J. Gallian. 1992. Nitrogen use efficiency by timing and rate to optimize yield and sucrose of irrigated sugarbeets. In 1992 UI WCSP Proc. p. 179-182.
- Brooks, R.H. and T.A. Tindall. 1992. Ethephon, nitrogen and moisture stress effects on barley cultivars. Distributed at Idaho Grain Producers Assoc. Mtg. Boise, ID. Jan. 1992.
- Brooks, R. H., M. F. Jurgensen, and G. D. Mroz. 1988. Effects of whole-tree harvest on organic matter, cation exchange capacity, and water holding capacity. In 1988 Agronomy Abstracts.
- Cattelino, P. J., R. H. Brooks, M. F. Jurgensen, and G. D. Mroz. 1988. Determination of coarse fragment volume in northern hardwood forest soils. In 1988 Agronomy Abstracts.
- Gale, M.R., M.F. Jurgensen, G.D. Mroz, R.H. Brooks, and P.J. Cattelino. 1988. Soil organic matter changes following whole tree harvest of second growth northern hardwood stands. In Proceedings on Sustained Productivity of Forest Land, 7th North American Forest Soils Conference. Vancouver, British Columbia.

#### **Technical and Research Reports:**

- Self-Study Report, External Program Review, Forest Resources Program (primary authors: AMS Smith and R Brooks), University of Idaho, 2016, 103pp.
- Self-Study Report, Society of American Foresters Reaccreditation, Forestry Program (primary authors: AMS Smith and R Brooks), University of Idaho, 2016, 298pp.
- Mroz, G. D., K. T. Becker, R. H. Brooks, J. N. Bruhn, P. J. Cattelino, P. Desanker, M. R. Gale, K. B. Fox, G. W. Larsen, M. J. Holmes, H. O. Liechty, J. A. Moore, D. D. Reed, E. J. Reed, D.L. Richter, Y. Wu, and Y.F. Zhang. 1988. Elf communications system ecological monitoring program: Tree and herbaceous plant cover studies. The Michigan study site, tasks 5.13/5.14. IITRI Rep. No. E06595-2.. 316 p.
- Mroz, G. D., K. T. Becker, R. H. Brooks, J. N. Bruhn, P. J. Cattelino, M. R. Gale, M. J. Holmes, M. F. Jurgensen, H. O. Liechty, J. A. Moore, D. D. Reed, E. J. Reed, D.L. Richter, and Y.F. Zhang. 1987. Elf communications system ecological monitoring program: Tree and herbaceous plant cover studies. The Michigan study site, tasks 5.13/5.14. IITRI Rep. No. E06549-38.. 305 p.
- Mroz, G. D., C. Becker, R. H. Brooks, J. N. Bruhn, P. J. Cattelino, P. Connaughton, L. Fuller, M. R. Gale, M.J. Holmes, M. F. Jurgensen, K. Lederle, H. O. Liechty, D. D. Reed, E. J. Reed, and D.L. Richter. 1986. Elf communications system ecological monitoring program: Tree and herbaceous plant cover studies. The Michigan study site, tasks 5.13/5.14. IITRI Rep. No. E06549-84.. 213 p.

#### **Other:**

##### **Impact Statements:**

- Brooks, R.H. Extension Forestry Educates Loggers. 2014. University of Idaho Cooperative

- Extension System Impact Statement.
- Brooks, R.H. and J. Moroney. Forestry Tour Educates Youth. 2012. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H. Clearwater County Forest and Natural Resources Tour Educates Teachers and Youth. 2011. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H. UI Extension provides north central Idaho landowners knowledge to manage forestlands. 2010. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H. Clearwater County Forest and Natural Resources Tour Educates 6<sup>th</sup> Graders and Teachers. 2010. University of Idaho Cooperative Extension System Impact Statement.
- Schumaker, S, R. Brooks, J. Church, K. Hart and V. Steele. Clearwater Area Farm and Forest Fair. 2009. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H. UI Extension provides north central Idaho landowners knowledge to manage forestlands. 2008. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H. Clearwater County Forest and Natural Resources Tour Educates 6<sup>th</sup> Graders and Teachers. 2007. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H., Hart, K.N., Church, J.A., and D.L. Barton. 2006. North-Central Idaho Residents Learn Pastures from the Ground Up. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H. 2005. Over 400 North Central Idaho Loggers Learn More About Forest Ecology, Silviculture, and Water Quality. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H. 2004. Farm and Forest Fair Educates Fifth Graders About Agriculture and Natural Resources. University of Idaho Cooperative Extension System Impact Statement. (update)
- Brooks, R.H. 2004. UI Extension Programs Give North-Central Idaho Landowners Skills to Manage Family Forests. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H. 2003. Farm and Forest Fair Educates Fifth Graders about Agriculture and Natural Resources. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H. 2003. Clearwater County Forest and Natural Resources Tour Educates 6<sup>th</sup> Graders and Teachers. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H. 2000. North Central Idaho Area Pesticide Applicator Training and Testing. University of Idaho Cooperative Extension System Impact Statement
- Brooks, R.H. 1999. Clearwater County Forest and Natural Resources Tour Educates 6<sup>th</sup> Graders and Teachers. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H. 1999. North Central Idaho Area Forest Land Owners Learn Forest Management Skills. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H. 1999. North Central Idaho Area Loggers Learn More About Forest Ecology, Silviculture, and Water Quality. University of Idaho Cooperative Extension System Impact Statement.
- Brooks, R.H. 1995. The Snake River Plain Water Quality Demonstration Project. University of Idaho Cooperative Extension System Impact Statement.

#### **Thesis and Dissertations:**

- Brooks, R.H. 1996. Growth and survival of outplanted conifer seedlings after soil fumigation and herbicide applications in the northern Great Lakes Region. Ph.D. Dissertation, School of Forestry and Wood Products, Michigan Technological University, Houghton, MI.
- Brooks, R.H. 1989. Effects of whole-tree harvesting on soil organic matter, cation exchange capacity, and water holding capacity. M.S. Thesis, School of Forestry and Wood Products, Michigan Technological University, Houghton, MI.

#### **Scholarly Presentations and Other Creative Activities:**

##### **Slide Sets/PowerPoint:**

- Ecology and Silviculture of Engelmann Spruce. 2017. 47 slides
- Class 2 Streams in Idaho: Meeting FPA Requirements. 2015. 67 Slides.
- Idaho Loggers Aren't Bloggers. 2014. 52 slides.
- Forest Streams and Riparian Areas: A Primer. 2013. 136 slides.
- Keeping the Legacy Alive: Passing on the Family Forest. 2012. 32 slides.
- Assessing Forest Stream Crossings and Road Drainage Structures. 2011. 63 slides.
- Interpreting Pesticide Labels. 2010. 45 slides

Seeding Forest Roads and Skid Trails. 2009. 91 slides.  
 Pre-commercial Thinning and Pruning. 2008. 58 slides.  
 Measuring Trees – Inventorying Your Forest. 2007. 52 slide.  
 Forest Water Quality – Roads and Drainages, 2006. 65 slides  
 Identifying and Preventing Noxious Weeds that Invade Idaho Forests. 2005. 87 slides.  
 Utilizing the Latest Harvesting Technologies. 2005. 94 slides.  
 Idaho’s Family Forests and Their Issues. 2004. 22 slides.  
 Pasture Foundation, The Soil. 2004. 86 slides.  
 An Introduction to Soils for Master Gardeners. 2004. 91 slides.  
 Pesticide Safety for Master Gardeners. 2004. 57 slides.  
 Extension- What Can it Offer You? 2004. 53 slides.  
 Farm and Forest Fair Educates Public about Natural Resources. 2003. 36 slides.  
 Idaho’s Forests and Their Issues. 2003. 38 slides.  
 Increasing Forestry-Related Educational Opportunities for Youth in Idaho County 2003. 22 slides.  
 Logger Education in the Pacific Northwest. 2003. 35 slides.  
 Experiences with 2-pass Fertilizer and Seed Systems. 2003. 57 slides.  
 Effects of Timber Harvest on the Forest Site. 2003. 61 slides.  
 Forest Water Quality – Roads and Drainage. 2003. 54 slides.  
 Urban Irrigation Principles and Water Conservation. 2002. 16 slides.  
 An Overview of Forest Herbicides and their Mode of Action. 2002. 28 Slides  
 Cultural Methods to Stimulate Conifer Cone Production. 2002. 39 slides.  
 Fate of Pesticides in the Environment. 2001. 45 slides  
 Forest Insect Pests and Forest Diseases. 2001. 47 slides.  
 Extension in the 21<sup>st</sup> Century and the Role of Extension. 2000. 45 slides  
 An Overview of Forest Hydrology. 1998. 81 slides.  
 An Overview of Riparian Areas. 1998. 85 slides.  
 Forest Practices Effects on Water Quality. 1998. 22 slides.  
 Water Quality, Stream Restoration, and Cattle Operations. 1998. 44 slides.

#### **Professional Meeting Papers, Workshops:**

Wildland Firefighter Perceptions Regarding Health and Safety Issues on the Fire Line: Assessing Fatigue, Brooks\*, R., C. Collins, S. James, S. Brooks, A. Nelson, and A. Brown. Presented at 7<sup>th</sup> International Fire Ecology & Management Congress. Orlando, FL Nov. 28 – Dec. 2, 2017  
 Making your own wood pellets (Out of forest residuals)? National Extension Energy Summit. Seattle, WA. April 7-9, 2015.  
 Estimating sustainability metrics based on forest area required to supply our annual wood use in the United States. IUFRO & SAF Conferences. October 8, 2014. Salt Lake City, UT  
 Farm and Forest Fair Educates Public About Natural Resources. Western Region County Agricultural Agents Professional Improvement Conference, October 22, 2003. Las Vegas, NV.  
 Strengthening Forest Stewardship Skills in Idaho. Western Region Workshop on Productivity and Conservation, Reno, NV. Oct. 21, 1997  
 Buried drip irrigation design for center pivot corners. Pacific Northwest ASAE/CSAE Section Meetings, Harrison Hot Springs, B.C., October 2, 1995  
 Potato production using subsurface drip irrigation - water and nitrogen management. 5th International Microirrigation Congress. Am. Soc. Agric. Engrs., April 2-6, 1995. Orlando, FL.  
 The Cooperative Effort: Working with Producers. Third Annual Non-Point Source Watershed Monitoring Workshop, Seattle, WA, Oct. 24, 1995.  
 Increasing growth and survival of conifer seedlings using soil fumigation and herbicides on Spodosols in the Upper Peninsula of Michigan, American Society of Agronomy meetings, Minneapolis, MN, Nov. 19, 1993.  
 Effects of whole-tree harvest on organic matter, cation exchange capacity, and water holding capacity. American Society of Agronomy meetings, Anaheim, CA, Feb. 18, 1988.

#### **Grants and Contracts:**

A. Nelson, R. Brooks, and S. Cooke. USDA NIFA Integrating plant physiology, insect management, and extension strategies to improve survival of nursery stock. \$298,420.

- C. Schnepf and R. Brooks. Idaho Forest Stewardship Educational Programs. IDL. 2020. \$14,500.00
- C. Schnepf and R. Brooks. Idaho Forest Stewardship Educational Programs. IDL. 2019. \$14,500.00
- C. Schnepf and R. Brooks. Idaho Forest Stewardship Educational Programs. IDL. 2018. \$14,500.00.
- C. Schnepf and R. Brooks. Idaho Forest Stewardship Educational Programs. IDL. 2017. \$14,500.00.
- Brooks, R. Supporting Drought Research. 2017. US Forest Service. \$28,096.00
- Brooks, R. USDA Forest Service Internships. 2017. US Forest Service. \$17,918.00
- C. Schnepf and R. Brooks. Idaho Forest Stewardship Educational Programs. IDL. 2016. \$14,500.00.
- C. Schnepf and R. Brooks. Idaho Forest Stewardship Educational Programs. IDL. 2015. \$14,500.00.
- Keefe, R.F., Smith, A.M., Eitel, J.U.H., Newman, S.M., and R.H. Brooks. 2014-2017. Reducing logging fatality and non-fatal trauma incidence rates with new real-time GPS-VHF communications, recommended safety procedures, and education. National Institute of Health (NIH) National Institute of Occupational Safety and Health (NIOSH). \$824,043
- C. Schnepf and R. Brooks. Idaho Forest Stewardship Educational Programs. IDL. 2014. \$14,500.00.
- C. Schnepf and R. Brooks. Idaho Forest Stewardship Educational Programs. IDL. 2013. \$12,500.00.
- Paustian, K. et. al. Biomass Alliance of the Rockies (BANR). 2013-2018. USDA NIFA AFRI CAP. \$10,000,000
- Lewis, N.L., M.P. Wolcott, R. Brooks et al. 2011-2016. Northwest Advanced Renewables Alliance (NARA): A new vista for green fuels, chemicals, and environmentally preferred products (EPPs). NIFA-USDA. \$39,600,000. (Controlled: \$2,912,884).
- Brooks, R. and A. McFarland. Forestry BMP's for Idaho. IDL. 2013. \$143,000.00.
- McFarland, A. and R. Brooks. Forestry BMP's for Idaho. IFPC. 2013. \$5,000.00.
- C. Schnepf and R. Brooks. Idaho Forest Stewardship Educational Programs. IDL. 2012. \$12,500.00.
- C. Schnepf and R. Brooks. Idaho Forest Stewardship Educational Programs. IDL. 2011. \$12,500.00.
- Brooks, R.H. Idaho Farm Bureau Grant to Conduct Youth Natural Resource Education. 2010. \$1,000.00
- C. Schnepf, R. Brooks, R. Mahoney, and Y. Carree. Idaho Forest Stewardship Educational Program. 2010. \$10,000.00.
- Brooks, R. Clearwater County Craig-Wyden Funding to conduct forestry educational activities. 2010. \$3,500.00
- Brooks, R. Clearwater County Craig-Wyden Funding to conduct forestry educational activities. 2009. \$3,600.00
- C. Schnepf, R. Brooks, R. Mahoney, and Y. Carree. Idaho Forest Stewardship Educational Program. 2009. \$10,000.00.
- Guy, Stephen, K. Hart , R. Brooks and Kok, H.. Hatch Grant to Fund On Farm Evaluation of Slow-Release Nitrogen for Winter Wheat Production in High Precipitation Areas of North Central Idaho 2008. \$64,554.00.
- Brooks, Randy. Clearwater County Craig-Wyden Funding to conduct forestry educational activities. 2008. \$1,500.00.
- Durkee, D., and R. Brooks. Idaho 21<sup>st</sup> Century Learning Centers Grant. 2008. \$153,000. For Weippe/Pierce After-School Program Utilizing 4-H Curriculum.
- C. Schnepf, R. Brooks, R. Mahoney, and Y. Carree. Idaho Forest Stewardship Educational Program. 2008. \$10,000.00.
- Wayt, Tamara, and R. Brooks. Idaho Operation Military Kids mini-grant. 2008. \$1,000.
- Guy, Stephen, K. Hart , R. Brooks and Kok, H.. Hatch Grant to Fund On Farm Evaluation of Slow-Release Nitrogen for Winter Wheat Production in High Precipitation Areas of North Central Idaho 2007. \$64,554.00.
- Brooks, Randy. Clearwater County Craig-Wyden Funding to conduct forestry educational activities. 2007. \$1,500.00.
- Durkee, D., and R. Brooks. Idaho 21<sup>st</sup> Century Learning Centers Grant. 2007. \$153,000. For Weippe/Pierce After-School Program Utilizing 4-H Curriculum.
- C. Schnepf, R. Brooks, R. Mahoney, and Y. Carree. Idaho Forest Stewardship Educational Program. 2007. \$10,000.00.
- Wayt, Tamara, and R. Brooks. Idaho Operation Military Kids mini-grant. 2007. \$1,000.
- C. Schnepf, R. Brooks, R. Mahoney, and Y. Carree. Idaho Forest Stewardship Educational Program. 2006. \$10,000.00.
- Wayt, Tamara, and R. Brooks. Idaho Operation Military Kids mini-grant. 2006. \$1,000.
- C. Schnepf, R. Brooks, R. Mahoney, and Y. Carree. Idaho Forest Stewardship Educational Program. 2005. \$10,000.00.

- Hart, K.N., Brooks, R.H., Barton, D.L., and Church, J.A. UI Critical Issues Funds for Pasture Management Workshop. 2005. \$1,100.00.
- Brooks, Randy. Clearwater County Craig-Wyden Funding to conduct forestry educational activities. 2005. \$2,863.57.00.
- Brooks, Randy. Clearwater County Craig-Wyden Funding to conduct forestry educational activities. 2004. \$3,000.00.
- Durkee, D., and R. Brooks. Idaho 21<sup>st</sup> Century Learning Centers Grant. 2004-2006. \$153,000/yr. for Weippe/Pierce After-School Program Utilizing 4-H Curriculum.
- C. Schnepf, R. Brooks, R. Mahoney, and Y. Carree. Idaho Forest Stewardship Educational Program. 2004. \$10,000
- Brooks, Randy. Clearwater County Craig-Wyden Funding to conduct forestry educational activities. 2003. \$3,000.00.
- C. Schnepf, R. Brooks, R. Mahoney, and Y. Carree. Idaho Forest Stewardship Educational Program. 2003. \$10,000.
- R. Brooks and M. Schmidt. Idaho County Craig-Wyden Funding to conduct forestry educational activities. 2002. \$40,000.
- C. Schnepf, R. Brooks, R. Mahoney, and Y. Carree. Idaho Forest Stewardship Educational Program. 2002. \$10,000 to conduct forest stewardship programs in Northern Idaho.
- Brooks, Randy. Clearwater County Craig-Wyden Funds to conduct forestry educational activities. 2002. \$5,000.
- D. Barton, R. Brooks, K. Hart, and J. Church. UI CES Critical Issues Grant. 2001. \$1,750 to conduct entrepreneur-training program.
- C. Schnepf, R. Brooks, R. Mahoney, and Y. Carree. Idaho Forest Stewardship Educational Program. 2001. \$10,000 to conduct forest stewardship programs in Northern Idaho.
- K. Hart, J. Church, R. Brooks, and D. Barton. UI CES Critical Issues Grant. 2001. \$650.
- C. Schnepf, R. Brooks, R. Mahoney, and Y. Carree. Idaho Forest Stewardship Educational Program. 2000. \$10,000 to conduct forest stewardship programs in Northern Idaho.
- K. Hart, J. Church, R. Brooks, and D. Barton. District I CES Grant. 2000. \$650
- K. Hart, R. Brooks, D. Barton, and R. Van Slyke. District I Cooperative Extension. 1999. \$850
- Schmidt, M.K., K. Hart, and R. Brooks. Multi-county after-school and Consortium Development. University of Idaho Critical Issues Funding. 1999. \$2,247.
- K. Hart, J. Church, and R. Brooks. District I CES Grant. 1999. \$650
- C. Schnepf, R. Brooks, R. Mahoney, and Y. Carree. Idaho Forest Stewardship Educational Program. 1999. \$10,000
- R. Brooks, J. Church, K. Hart, and M. Schmidt. District I and CES Critical Issues grant. 1998. \$10,300.
- C. Schnepf, R. Brooks, R. Mahoney, and Y. Carree. Idaho Forest Stewardship Educational Program. 1998. \$10,000.
- K. Hart, J. Church, and R. Brooks. District I CES Grant. 1998. \$650.
- J. Church and R. Brooks. North Central Idaho Water Quality Grant. 1998. \$1,250.
- K. Hart, J. Church, K. Wise, and R. Brooks. District I CES Grant. 1997. \$650.
- C. Schnepf, R. Mahoney, R. Brooks, and Y. Carree. Idaho Forest Stewardship Educational Program. 1997. \$10,000.
- M. Schmidt, R. Van Slyke, K. Hart, R. Brooks, D. Williams, L. Fox. CES Critical Issues grant. 1997. \$950
- C. Schnepf, R. Mahoney, Y. Carree, and R. Brooks. Idaho Forest Stewardship Educational Program. 1996. \$12,000.
- R. Brooks and I. Hopkins. UI CES IPM mini-grant. 1995. \$1600.
- R. Brooks and I. Hopkins. UI CES IPM mini-grant. 1994. \$1600.

## **SERVICE:**

### **Major Committee Assignments:**

#### **National:**

- GALAXY 4 Planning Committee. 2012-2013
- RREA Grant Review Panelist. 2011
- Chair, Epsilon Sigma Phi Resource Development and Management Committee 2007-2009.
- Epsilon Sigma Phi Resource Development and Management Committee 2004-2006.

**Regional:**

Western Coordinating Committee, Board Member, 2013-2018  
 Western Region Vice-President, Epsilon Sigma Phi, 2006-2008.  
 Western Region Vice-Chair, Forestry, National Association of County Agricultural Agents (NACAA), 1998 – 2001.  
 Instructional Coordinator, Inland Empire Natural Resource Youth Camp, 1998 – 2001.  
 Board Member, Inland Empire Natural Resource Youth Camp 1997-2001.

**State:**

Idaho Lands Resource Coordinating Council. 2012-present.  
 Society of American Foresters. Palouse Chapter Chair. 2013.  
 UI Forest Nursery Advisory Committee, 2011-present.  
 2<sup>nd</sup> Pres. Elect. Idaho Association of County Extension Agents. 2007-2010.  
 Past-President, Epsilon Sigma Phi, 2006-2008.  
 President, Epsilon Sigma Phi, 2004-2006.  
 Idaho Pro-Logger Statewide Steering Committee, 1996-present.  
 Idaho Forest Stewardship Advisory Committee, 1996 – present.  
 Communications Committee Vice-Chair, Idaho Association of County Agricultural Agents (IACAA), 1998 – 2001.  
 President-Elect, Epsilon Sigma Phi, Idaho, 2003-2004.  
 Excellence in Forestry State Chair, IACAA, 1998 – 2000.  
 Treasurer & Membership Chair, Epsilon Sigma Phi, Theta Chapter, 2001-2003.  
 IACAA Representative to Ag Consulting Council 1997.  
 Idaho Home\*A\*Syst Committee 1993-1996.

**University**

UI President's Athletic Advisory Committee. 2012-2017 (Reappointed)  
 UI Annual Giving Program Committee. 2015-2016.

**College**

CNR Associate Dean Search Committee. Spring 2017.  
 Western Coordinating Committee, Board Member, 2013-2016  
 CNR Silviculture Faculty Position Search Committee Chair. 2015.  
 UI FRFS Department Head Search. 2013  
 UI University-Level Promotions Review Committee. 2011  
 UI CALS Extension Annual Conference Planning Committee, 2005-2008.  
 UI CES Extension Advisory Committee, 2006-2007.  
 UI CALS Extension District 1 Director Search Committee.  
 UI CALS IAES Dean and Director Search Committee, 2003.  
 UI College of Ag Promotion and Tenure Committee, FY '00.  
 UI Extension Ethics Committee, 2002.  
 UI College of Ag Promotion and Tenure Committee, FY '99.  
 UI 4-H Curriculum Review Committee, Chair of Natural Resources Projects, FY '00.  
 UI College of Ag Annual Conference Planning Committee, FY '98.  
 UI Domestic Water Quality Committee 1993-1996.

**District/Departmental**

Chair, Extension Range Specialist Position in FRFS. 2016.  
 Mentoring Committee for April Hulet. 2016 – present  
 Mentoring Committee for Ryan Long, FWS Dept. CNR. 2016-present  
 Chair, Assistant Professor of Silviculture Search Committee. 2015.  
 Mentoring Committee for Amanda Gearhart. 2013-2015.  
 CNR Administrative Position Search Committee Chair. 2013.  
 FRFS Forest Products Professor Search Committee. 2012.  
 FRFS Dept. Head Search Committee. 2012.  
 UI Promotion Committee for Dr. Kelly Crane, 2011  
 UI Dist. 1 Extension 3<sup>rd</sup> Year Review Committee for M. Bauer & A. McFarland, 2011

UI Promotion Committee for Dr. Tim Prather. 2010.  
 UI District 1 Extension Educator – NCIA Area 4-H Educator Search Committee, 2006.  
 UI District 1 Promotion and Tenure Committee, 2005.  
 UI District 1 Third Year Review Committee, 2004.  
 UI District 1 Promotion and Tenure Committee, 2003.  
 UI District 1 Third Year Review Committee, 2002.  
 District 1 Cooperative Extension Water Quality MPT Chair, 1997 – present.  
 Clearwater/Lewis/Nezperce Counties 4-H Camp Director, 1998-1999, 2001-2003.  
 Clearwater RC&D Liason to UI, 1997 – present.  
 4-H Know Your Government District 1 Coordinator, FY99-04.  
 Senior Director, IACAA Dist. I 1997-1998, 1999-2000.  
 Junior Director, IACAA Dist. I 1996-1997.  
 Know Your Government Planning Committee 1996 – present.  
 Member, CLN 4-H Camp Working Group 1996 – present.  
 UI Dist. I Peer Review ( 3 year) Committee 1997 & 2002.  
 Junior Director, IACAA Dist. III 1995-1996.  
 UI Dist. III Promotion and Tenure Committee 1995.  
 District III Water Quality MPT Leader 1993-1996.

#### **County:**

Co-Director and Presenter, UI NRW Youth Camp, Ketchum, ID. 2011-present.  
 Coordinator/Director, Clearwater County 6th Grade Forestry Tour, 1997 – present.  
 4-H Project Leader, Teen Leader, Forestry, Swine and Entomology, 1997 – present.

#### **Professional and Scholarly Organizations:**

Association of Fire Ecologists, 2017 - present  
 Society of American Foresters, 2011-present.  
 Association of Natural Resource Extension Professionals 1996-2001, 2003, 2010 - present.  
 Epsilon Sigma Phi , National Extension Professionals Organization, 1997 – 2016.  
 Idaho Association of 4-H Extension Agents (IA4HEA) 1997 – present.  
 National Association of County Ag. Agents (NACAA) 1993 – present.  
 Idaho Association of County Ag. Agents (IACAA) 1993 – present.  
 Soil Science Society of America 1987-1991.  
 American Society of Agronomy 1991-1996.  
 Society of American Foresters 1985 – 1999.  
 Xi Sigma Pi (National Honorary in Forestry).  
 Sigma Xi (Scientific Research Society).

#### **Outreach Service:**

##### **Classes, Workshops, Seminars, Share Fairs, and Tours Organized:**

Brooks, R. Natural Resources Camp. Ketchum, ID. Jun 25 Jul 2, 2017- present.  
 Brooks, R., and C. Schnepf. LEAP. 2 locations n. Idaho. April, 2017 – present.  
 Brooks, R.H. and C. Schnepf. LEAP Update. 3 Locations in NCIA. March, 2017-present.  
 Moore, A. and R. Brooks. Natural Resources Camp. Ketchum, ID. June 24-30, 2016.  
 Keefe, R., R. Brooks, and A. Nelson. UI Experimental Forest Field Day. Sept. 26, 2015  
 Moore, A. and R. Brooks. Natural Resources Camp. Ketchum, ID. June 23-29, 2015.  
 Brooks, R. South Idaho Forestry Field Day. McCall. May 17, 2015.  
 Brooks, R. Safely Using Herbicides in Forestry. Moscow. March 22, 2015.  
 Brooks, R. Forest Tree Planting Workshop. Moscow, ID. Mar. 13, 2015.  
 Moore, A. and R. Brooks. Natural Resources Camp. Ketchum, ID. June 22-28, 2014.  
 Brooks, R. South Idaho Forestry Field Day. McCall. May 15, 2014.  
 Brooks, R. Safely Using Herbicides in Forestry. Moscow. March 21, 2014.  
 Keefe, R., and R. Brooks. UIEF Field Day. Princeton, ID. July 20, 2013.  
 Brooks, R. Forest Thinning and Pruning Field Day. Moscow, ID. July 19, 2013.  
 Brooks, R. Forestry Stewardship Tour. Latah County, ID. July 13, 2013.  
 Moore, A. and R. Brooks. Natural Resources Camp. Ketchum, ID. June 23-29, 2013.

- Brooks, R. LEAP. Coeur d'Alene, Apr. 24-26, 2013.
- Brooks, R. Forest Tree Planting Workshop. Moscow, ID. Mar. 19, 2013.
- Brooks, R. and C. Schnepf. Safely Using Herbicides in Forestry. Coeur d'Alene, ID. Apr. 12, 2013.
- Brooks, R.H. LEAP Update. 3 Locations in NCIA. March/May, 2013.
- Brooks, R. Using Your GPS. Colfax, WA. Nov. 1, 2012.
- Brooks, R. and A. Brocke. Clearwater Forest Stewardship and Conservation Practices Tour. Orofino, ID. Oct. 4, 2012.
- Brooks, R. Forest Insects and Disease Field Day. Latah Co., ID. July 27, 2012.
- Brooks, R. Forest Thinning and Pruning Field Day. Keuterville, ID. July 20, 2012.
- Brooks, R. Clearwater County 6<sup>th</sup> Grade Forestry Tour. Headquarters, ID. July 10-12, 2012.
- Moore, A. and R. Brooks. Natural Resources Camp. Ketchum, ID. June 24-30, 2012.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 2 Locations in North Idaho. May, 2012.
- Keefe, R. and R. Brooks. Business for Loggers: ALC Workshop. Lewiston, ID. April 26, 2012.
- Brooks, R.H. LEAP Update. 3 Locations in NCIA. March, 2012.
- Brooks, R.H. Current Topics in Farm and Forest Health. Orofino, ID. Dec. 8, 2011.
- Brooks, R. Using Your GPS. Moscow, ID. June 1, 2012.
- Brooks, R.H. Forest Insect and Disease Field Day, Cottonwood, ID. July 22, 2011.
- Brooks, R.H. Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. Ag 204 & 504, July 12-14, 2011.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 2 Locations in North Idaho. April, 2011.
- Brooks, R.H. Forest Thinning and Pruning Workshop and Field day. Orofino, ID. Apr. 8, 2011.
- Brooks, R.H. LEAP Update. 3 Locations in NCIA. March, 2011
- Keefe, R., and R. Brooks. Inland Empire Forest Engineering Conference. Moscow, ID. Mar. 1, 2011
- Brooks, R.H. Forestry Shortcourse. Orofino, ID. Ag 505. Jan. 13-Feb. 17, 2011.
- Brooks, R.H. Current Topics in Farm and Forest Health. Orofino, ID. Dec. 9, 2010.
- Brooks, R.H. Forest Thinning and Pruning. Orofino, ID, Nov. 23, 2010.
- Brooks, R.H. and K. David. Measuring Your Trees. Orofino, ID. July 28, 2010.
- Brooks, R.H. Forest Insect and Disease Field Day, Orofino, ID. July 23, 2010.
- Brooks, R.H. Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. Ag 204 & 504, July 6-8, 2010.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 2 Locations in North Idaho. April, 2010.
- Brooks, R.H. and P. Gessler. Using Your GPS. Orofino, ID. April 16, 2010.
- Brooks, R.H. LEAP Update. 2 Locations in NCIA. March, 2010
- Brooks, R.H., K. Hart, J. Church, and S. Schumaker. Upper Clearwater Farm and Forest Fair. Orofino, ID. March 19-20, 2010.
- Brooks, R.H. Current Topics in Farm and Forest Health. Orofino, ID. Dec. 10, 2009.
- Brooks, R.H. Forestry Shortcourse. AgEd 505. Orofino, Id. Jan/Feb. 2009.
- Brooks, R.H. LEAP Update. 2 Locations in NCIA. March, 2009
- Brooks, R.H., K. Hart, J. Church, and S. Schumaker. Upper Clearwater Farm and Forest Fair. Orofino, ID. March 19-20, 2009.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 2 Locations in North Idaho. April, 2009.
- Brooks, R.H. Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. Ag 204 & 504, July 7-9, 2009.
- Brooks, R.H. Forest Insect and Disease Field Day, Moscow, ID. July 24, 2009.
- Brooks, R.H. Current Topics in Farm and Forest Health. Orofino, ID. Dec. 11, 2008.
- Brooks, R.H. Backyard Forests. Orofino, ID. Dec. 16, 2008.
- Brooks, R.H. LEAP Update. 2 Locations in NCIA. March, 2008.
- Brooks, R.H., K. Hart, J. Church, and S. Schumaker. Upper Clearwater Farm and Forest Fair. Orofino, ID. March 19-20, 2008.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 2 Locations in North Idaho. April, 2008.
- Brooks, R.H., C. Williams, K. Hart, and J. Church. Pasture Management for Smaller Acreages. Moscow, ID. May 21-24, 2008.

- Brooks, R.H. Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. Ag 204 & 504, July 8-10, 2008.
- Brooks, R.H. Forest Insect and Disease Field Day, Orofino, ID. July 25, 2008.
- Brooks, R.H. Using Your GPS. Orofino and Moscow, ID. Mar. 8 & May 9, 2008.
- Brooks, R.H. Current Topics in Farm and Forest Health. Orofino, ID. Dec. 13, 2007.
- Brooks, R.H. LEAP Update. 2 Locations in NCIA. March, 2007
- Brooks, R.H., K. Hart, J. Church, and J. Lustig. Upper Clearwater Farm and Forest Fair. Orofino, ID. March 22-23, 2007.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 2 Locations in North Idaho. April, 2007.
- Brooks, R.H, K. Hart, and J. Church. Pasture Management for Smaller Acreages. Kamiah, ID. May 2-4, 2007.
- Brooks, R.H. Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. AgEd 504, July 10-12, 2007.
- Brooks, R.H. Forest Insect and Disease Field Day, Moscow, ID. July 19, 2007.
- Brooks, R.H. Using Your GPS. Orofino, ID. May 10, 2007.
- Brooks, R.H. Forestry Shortcourse. AgEd 505. Orofino, Id. Jan/Feb. 2007.
- Brooks, R.H. Current Topics in Farm and Forest Health. Orofino, ID. Dec. 12, 2006.
- Brooks, R.H. LEAP Update. 2 Locations in NCIA. 2006.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 2 Locations in North Idaho. 2006.
- Brooks, R.H. LEAP Update. 2 Locations in NCIA. 2005.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 2 Locations in North Idaho. 2005.
- Brooks, R.H. Orofino High School Science Forestry Field day, Orofino, ID. May 26, 2005.
- Brooks, R.H. Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. July 12-14, 2005.
- Brooks, R.H. LEAP Update. 3 Locations in NCIA. 2004.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 2 Locations in North Idaho. 2004.
- Brooks, R.H. Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. July 13-15, 2004.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 6 locations in north Idaho. 2003.
- Brooks, R.H. Orofino High School Science Forestry Field day, Orofino, ID. May 21, 2003.
- Brooks, R.H. Teachers Forestry Tour, Clearwater County, ID. May 11-12, 2003.
- Brooks, R.H. Clearwater County 6<sup>th</sup> Grade Forestry Tour, Headquarters, ID. July 15-17, 2003.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 6 locations in north Idaho. 2002.
- Brooks, R.H. Thinning and Pruning Field Day. Moscow, ID. May 21, 2002.
- Brooks, R.H. Forestry and Natural Resources Tour. Clearwater County 6<sup>th</sup> Grade Forestry Tour-AgEd 504, July 16-18, 2002.
- Brooks, R.H. Teachers/Educators Forestry Tour, Kamiah, ID AgEd 504:71, July 23-24, 2002.
- Brooks, R.H. Forest Insect and Disease Field Day, Orofino, ID. Aug. 23, 2002.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 8 locations in north Idaho. 2001.
- Brooks, R.H. Thinning and Pruning Field Day. Orofino, ID. Apr. 25, 2001.
- Brooks, R.H. Forestry and Natural Resources Tour. Clearwater County 6<sup>th</sup> Grade Forestry Tour-AgEd 504, July 10-12, 2001.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 9 locations in north Idaho. 2000.
- Brooks, R.H. Forestry and Natural Resources Tour. Clearwater County 6<sup>th</sup> Grade Forestry Tour-AgEd 504, July 11-13, 2000.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. 4 locations in north Idaho. 1999.
- Brooks, R.H. Forestry and Natural Resources Tour. Clearwater County 6<sup>th</sup> Grade Forestry Tour-AgEd 504, July 6-8, 1999.
- Brooks, R.H. and F. Gariglio. Hybrid Poplar Tour and Update. Coordinated with Lewiston NRCS Forester. Southwick, ID. Sept. 29, 1999.

- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. St. Maries, ID. Mar. 27, 1998.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. Kamiah, ID. Apr. 10, 1998.
- Brooks, R.H. Lolo Creek Water Quality Tour, Weippe, ID. Jun. 3, 1998.
- Brooks, R.H. Bedrock Creek Crops Tour, Cavendish, ID, Jun. 9, 1998.
- Brooks, R.H. Clearwater County 6<sup>th</sup> Grade Forestry Tour, Clearwater Co., ID. Jun. 8-10, 1998.
- Brooks, R.H. and C. Schnepf. Water Quality Tour and Field Day. Logger Education to Advance Professionalism. Sandpoint, ID. Mar. 26, 1997.
- Brooks, R.H. Clearwater County 6<sup>th</sup> Grade Forestry Tour, Clearwater Co., ID. Jun. 8-10, 1997.
- Brooks, R.H. Clearwater County 6<sup>th</sup> Grade Forestry Tour, Clearwater Co. ID. Jun. 9-11, 1996.
- Brooks, R.H. 4-H youth tour of logging operations in Clearwater County, Orofino, ID. July 26, 1996.
- Brooks, R.H. 3 Tours of Galen Myers Drip Irrigation Demonstration Farm, Murtaugh, ID. Apr. 29, May 7,9, 1996.
- Brooks, R.H. Advanced Master Gardener Tour of Drip Irrigation Projects, Twin Falls, ID. Apr. 25, 1996.
- Brooks, R.H. Dupont Tour & Field Day, Water Quality Project Demonstration Booth, Burley, ID. July 11, 1995.
- Brooks, R.H. Coors Field Day & Tour, Water Quality Project Demonstration Booth, Burley, ID. July 13, 1995.
- Brooks, R.H. Minidoka Soil and Water Conservation District Tour & BBQ, Rupert, ID. July 26, 1995.
- Brooks, R.H. Sugarbeet Rhizomania Field Tour & BBQ, Rupert, ID. Aug. 8, 1995.
- Brooks, R.H. Farm Irrigation Systems Tour for Drip Irrigation project at Galen Meyer's Farm, Murtaugh, ID. Aug. 24, 1995.
- Brooks, R.H. Two tours of Injection Wells to Mini-Cassia Alternative High School, Rupert, ID. Sept. 13-14, 1995.
- Brooks, R.H. Three Tours of Galen Meyer's 3 Acre Demonstration on Drip Irrigation, Murtaugh, ID. Sept. 15-17, 1995.
- Brooks, R.H. Water Quality Demonstration Booth at Minidoka County Fair, Rupert, ID. July 31 - Aug. 3, 1995.
- Brooks, R.H. Water Quality Demonstration Booth at Cassia County Fair, Burley, ID. Aug. 14-17, 1995.
- Brooks, R.H. Western States Irrigation Specialists tour of the Water Quality Demonstration Project, Burley, ID. May 10, 1994.
- Brooks, R.H. University of Idaho, College of Agriculture Deans and Directors tour of the Water Quality Demonstration Project, Burley, ID. May 17, 1994.
- Brooks, R.H. Wyoming County Extension Agents tour of the Water Quality Demonstration Drip Irrigation Fields, Burley, ID. May 25, 1994.
- Brooks, R.H. Soil Conservation Service State Office and Western States Tech Center tour of the Water Quality Demonstration Project, Burley, ID. Jun. 1, 1994.
- Brooks, R.H. New District DEQ personnel tour the Water Quality Demonstration Project, Burley, ID. Jun. 2, 1994.
- Brooks, R.H. T-Systems Irrigation Co. Representative Dennis Hannaford tour of the Water Quality Demonstration Project, Burley, ID. Jun. 3, 1994.
- Brooks, R.H. Assistant to the Assistant Secretary of Ag, Terry D'Addio, tour of the Water Quality Demonstration Project, Burley, ID. Jun. 9, 1994.
- Brooks, R.H. Beta Seed representatives tour of the Water Quality Demonstration Project, Burley, ID. Jun. 14
- Brooks, R.H. INEL personnel tour of the Water Quality Demonstration Project, Burley, ID. Jun. 30, 1994.
- Brooks, R.H. University of Idaho Extension Agents tour of the Water Quality Demonstration Irrigation Projects, Burley, ID. Jul 8, 1994.
- Brooks, R.H. INEL personnel (different group) tour of the Water Quality Demonstration Project, Burley, ID. Jul. 17, 1994.

- Brooks, R.H. NCAP (Northwest Coalition for Alternative Pesticides) Representatives here for tour of the Water Quality Demonstration Project, Burley, ID. Jul. 26, 1994.
- Brooks, R.H. SCS Engineers and Engineering Technicians tour of the Water Quality Demonstration Project, Burley, ID. Aug. 3, 1994.
- Brooks, R.H. Ontario, Oregon HUA personnel tour of the Water Quality Demonstration Project, Burley, ID. Aug. 4, 1994.
- Brooks, R.H. Valmont Irrigation of Nebraska Representative John Chapman tour of the Water Quality Demonstration Drip Irrigation, Burley, ID. Aug. 4, 1994.
- Brooks, R.H. EPA and DEQ 319 Review Team tour of the Water Quality Demonstration Project, Burley, ID. Aug. 16, 1994.
- Brooks, R.H. Nevada Extension Agents tour of the Water Quality Demonstration Drip Irrigation Projects, Burley, ID. Aug. 18, 1994.
- Brooks, R.H. Assistant Secretary of Agriculture Tim Hubert tour of the Water Quality Demonstration Project, Burley, ID. Aug. 29, 1994.
- Brooks, R.H. Water Quality Demonstration Booth, Minidoka County Fair, Rupert, ID. Aug. 1-6, 1994.
- Brooks, R.H. Water Quality Demonstration Booth, Cassia County Fair, Burley, ID. Aug. 15-20, 1994.
- Brooks, R.H. Cooperative Agencies (Soil Conservation and USDA Agriculture Research Service) Tour of the Water Quality Demonstration Project Fields, Burley, ID. Apr. 7, 1993.
- Brooks, R.H. Steering Committee Tour of the Water Quality Demonstration Project, Burley, ID. Jul. 16, 1993.
- Brooks, R.H. Multi-Agency Team from Washington, DC, plus State and Federal Agencies review and tour of the Water Quality Demonstration Project fields, Burley, ID. Aug. 30 - Sept. 1, 1993.
- Brooks, R.H. Water Quality Demonstration Booth, Minidoka County Fair, Rupert, ID. Aug. 3-7, 1993.
- Brooks, R.H. Water Quality Demonstration Booth, Cassia County Fair, Burley, ID. Aug. 18-21, 1993.

### **Miscellaneous Extension Publications:**

#### **Departmental Publications**

##### **Woodland Notes - UI Extension Forestry Newsletter, co-editor (peer reviewed)**

- Let Bugs Be Your Water Quality Guide. Vol. 21, No. 1, Fall/Winter 2009
- A Primer on Pre-commercial Thinning. Vol. 20, No. 1. Fall/Winter 2008.
- Seeding Forest Roads and Skid Trails. Vol. 19, No. 1. Fall/Winter 2007.
- Selecting the Right Equipment for Your Management Needs. Vol. 18, No. 1, Fall/Winter 2006.
- Can Forest Insects be Managed? Vol. 17, No. 2, Spring 2006.
- Convert Your Pasture to a Silvopasture. Vol. 17, No. 1, Fall/Winter 2005-2006.
- Conservation Easements can Benefit Landowners. Vol. 16, No. 1, Spring/Summer 2005.
- Forest Soils versus Agriculture Soils. Vol. 16, No. 1. Fall/Winter 2003-2004.
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- Fall is a good time to fight those perennial weeds. Vol. 13, No. 2, Fall/Winter 2001-2002.
- A Water Quality Update. Vol. 13, No. 2, Fall/Winter 2001-2002.
- After the Fires: Hydrophobic soils. Vol. 13, No. 1, Spring/Summer 2001.
- Carbon Sequestration...What's that?, Vol. 12, No. 2, Fall/Winter 2000-2001.
- Forest Water Quality and Sediments, Vol. 12, No. 1, Spring/Summer 2000.
- Controlling Vole Damage, Vol. 11, No. 2, Fall/Winter 1999.
- Idaho's Water Quality Laws and TMDL's, Vol. 11, No. 1, Spring/Summer 1999.
- Herbicides and Water Quality Protection, Vol. 10, No. 1, Fall/Winter 1998.
- Herbicides Labeled for Forestry in the Pacific Northwest, Vol. 9, No. 2, Spring/Summer 1998.
- The Basics of Weed Control, Vol. 9, No. 1, Fall/Winter 1998.
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 Are You Poisoning Your Water, Vol. 6 No. 3 (1994).  
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**USDA Snake River Plain Water Quality Demonstration Project Fact Sheets:**

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 Brooks, R.H. 1994. Guidelines for Water Testing, USDA Snake River Plain Water Quality Demonstration Project Fact sheet #3.  
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 Brooks, R.H. 1995. Results of the Sugar Beet Root Maggot Survey 1991-1995, USDA Snake River Plain Water Quality Demonstration Project Fact sheet #7.  
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**Evaluation Tools for Data Collection**

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 Brooks, R.H. 1997-present. Use of UI teaching evaluation form for programs and presentations delivered.  
 Brooks, R.H. 1996 - present. Clearwater County 6<sup>th</sup> Grade Forestry Tour Survey. Methodology, instrument, data collection, analysis, report. Revised annually.  
 Brooks, R.H. 1999. Mail survey of stakeholders in Clearwater County regarding attitudes towards, and needs from UI Extension.  
 Brooks, R.H. 1996 - 2001. Inland Empire Natural Resources Youth Camp pre- and post tests: instrument, data collection, analysis, and report. Revised annually.  
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Brooks, R.H., T. Wayt and M. Armitage, eds. 2003- 2010. *Clearwater County 4-H News*. 4 issues/year. 393 circulation.  
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 Brooks, R.H., ed. 1996. *Water Line*. 2 issues that year. 2400 circulation.  
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- Brooks, R.H. Conservation Easements can Benefit Landowners. Lane Woodland News. Oregon State Univ. Oct. 2005, fall Issue
- Brooks, R.H. Control Your Weeds This Fall. Latah County Master Gardener Newsletter. Sept. 2005.
- Brooks, R.H. Your Garden Soil. The Garden Gate (Upper Clearwater Master Gardener Newsletter) April 2001.
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- Brooks, R.H. Basics of Weed Control. The Garden Gate, NCIA Master Gardener Newsletter, Winter 1998
- Brooks, R.H. Water and Feeding Landscape Trees, East and West Cassia Soil Conservation District Newsletter, Spring 1997.
- Brooks, R.H. What is the Water Quality Project About, IASCD Newsletter, (Spring 1993).
- Brooks, R.H. Water Quality Demonstration Project-1993 Activities, East and West Cassia Soil Conservation District Newsletter, (Fall 1993).

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- Brooks, R, and A. Cochran. Agroforestry and silvopasture – growing trees in your pasture, or vice versa? Nov. 2020. Idaho Farm Bureau Gem State Producer. Vol 24(7).
- Brooks, R. Wildfires and the forest ecosystem. Idaho Farm Bureau Quarterly. August 2020. Vol. 20(30)
- Brooks, R. Forest water quality and sediment. Idaho Farm Bureau Gem State Producer. June 2020. Vol. 24(4)
- Brooks, R. Tree log volume simplified. Idaho Farm Bureau Quarterly. Vol 20(2). May 2020.
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- Brooks, R. 2019. The Forest Defoliator trilogies: Western Hemlock Looper. Idaho Farm Bureau Quarterly. Fall 2019. Vol. 19:4. P. 32-34
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- Brooks, R. How much Wood is in my Tree? Idaho Farm Bureau Quarterly. Vol. 16(4), Fall 2016.
- Brooks, R. Mountain Pine Beetle. Gem State Producer. Vol. 20, Issue 2, March 2016
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- Brooks, R.H. From Wood to Wing: Biomass and the NARA Opportunity. Idaho Farm Bureau Gem State Producer. Vol. 16, Issue 8. December 2012.
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- Brooks, R.H. A Primer on Forest Root Rot Diseases. Idaho Farm Bureau Quarterly. Fall 2008. Vol. 8, Issue 4. Nov. 2008
- Brooks, R.H. Herbicide Mode of Action Key to Weed Control Efficiency. Lewiston Morning Tribune, Monday, July 14, 2008.
- Brooks, R.H. A Primer on Precommercial Thinning. Idaho Farm Bureau Gem State Producer. Vol. 12, Issue 5. July 2008.
- Brooks, R.H. Herbicide Selectivity has Variety of Effects. Lewiston Morning Tribune. Monday, July 7, 2008.
- Brooks, R.H. Can Fertilizers Benefit the Environment? Lewiston Morning Tribune, Monday, December 3, 2007.
- Brooks, R.H. Grass Seeding Options for Farm Woodlots. Lewiston Morning Tribune. Monday, Nov. 26, 2007.
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- Brooks, R.H. Fall is a Good Time to Fertilize. Lewiston Morning Tribune. Monday, Oct. 30, 2007.
- Brooks, R.H. Avoid Compacting Wet Soils. Lewiston Morning Tribune. Monday, April 9, 2007.
- Brooks, R.H. Seeding Forest Roads, Skid Trails and Landings. Idaho Farm Bureau Quarterly. Spring 2007.
- Brooks, R.H. Global Warming and Carbon Credits. Lewiston Morning Tribune. Monday, Jan. 29, 2007.
- Brooks, R.H. Phosphorous Fertilizer, A Primer. Lewiston Morning Tribune. Monday, Oct. 30, 2006.
- Brooks, R.H. Research Carefully Before Buying that Farm Equipment. Lewiston Morning Tribune. Monday, Aug. 7, 2006.
- Brooks, R.H. Selecting the right Equipment for Forest Operations. Gem State Producer, Vol. 10, Issue 8, Nov. 2006.
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- Brooks, R.H. Can Smoke Be Managed? Gem State Producer, Vol. 10, Issue 2, Feb. 2006.
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- Brooks, R.H. Fire Can Cleanse or Damage Our Farm and Rangeland. Lewiston Morning Tribune, Oct. 17, 2005.
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- Brooks, R.H. Silvopasture: Growing Trees in Your Pasture. Gem State Producer, Vol. 9, Issue 6, July 2005.
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- Brooks, R.H. Easements Can Benefit Owners of Farm, Forestland. Lewiston Morning Tribune, March 21, 2005.
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- Brooks, R.H. Pruning workshop offered in Orofino. Clearwater Tribune. Nov. 9, 2000.
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#### **Webinars:**

Assessing Wildland Firefighter Sleep and Fatigue While on Fire Assignment.  
Presented to Northern Rockies Fire Science Network. 4 June 2019. 136 registered

#### **Podcasts:**

Sleep and fatigue with Dr. Randy Brooks. anchorpointpodcast.com June 15, 2019.  
79 minutes. <https://www.anchorpointpodcast.com/episodes>

Wildland Firefighter Fatigue with Randy Brooks. USFS R1 H&S. May 16, 2019.  
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#### **Interview Article:**

- Brooks, R. UI Extension Natural Resource Camp. Idaho FB Gem State Producer. June, 2016.
- Brooks, R. From Dead Trees to Gasoline. Moscow-Pullman Daily News. Nov. 16, 2013.
- Brooks, R.H. Inland Empire Forest Engineering Conference. UI Argonaut. Feb. 2011
- Brooks, R.H. County extension provides 4-H opportunities. Clearwater Tribune. Sept. 13, 2009.
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#### **Media Presentations:**

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- Brooks, R.H. Clearwater County 4-H Livestock Auction. KLER Radio, Orofino, Sept. 15, 2001.
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 Brooks, R.H. KBAR radio program about the Water Quality Project Mar, 3, 1995.  
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### **Judging:**

Lewis County Fair, 4-H Natural Resources Projects. 2002.  
 Nez Perce County Fair, 4-H Natural Resources Projects, 2001.  
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 State FFA Land Judging (Burley, ID), 1996.  
 Cassia Co. Fair, FFA Potatoes (Burley, ID), 1995.  
 Cassia Co. Fair, FFA Potato Record Books (Burley, ID), 1995.  
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 Blaine Co. Fair, 4-H Llama Record Books (Carey, ID), 1995.  
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 Jerome Co. Fair, 4-H Swine Record Books (Jerome, ID), 1994.  
 FFA Speech Contest (Burley, ID), 1993.  
 Idaho Envirothon (Jerome, ID), 1993.  
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 Cassia Co. Fair, 4-H Sugarbeets (Burley, ID), 1993.  
 State FFA Land Judging (Idaho Falls, ID), 1991.

### **Review Activities:**

Brooks, R.H. 2016. Written Review of Promotion Candidate Anthony Davis, Oregon St. Univ.

- Brooks, R.H. 2015. Written Review of Promotion Candidate Paul Catanzaro. University of Mass.
- Brooks, R.H. 2014. Written Review of Promotion Candidate Diomy Zamora, Univ. of Minn.
- Brooks, R.H. 2014. Written Review of Promotion/Tenure Candidate of Tristan Huff, Oregon State University.
- Brooks, R.H. 2013. Written Review of Promotion to Full Professor of Dr. James Reeb, Oregon State University.
- Brooks, R.H. 2011. Written Review of Promotion/Tenure Candidate Kelly Crane, UI CNR
- Brooks, R.H. 2003. Written Review of Promotion/Tenure Candidate Michael Johnson, Utah State University.

### **Community Service:**

- Member, Clearwater County Search and Rescue (Rescue Diver), 2001-present.
- Clearwater County Natural Resource Policy Executive Board Member, 2003-2010.
- Orofino Maniac Boosters Board Member. 2007-2011.
- Orofino Jr. High Principal Search and Selection Committee, 2004.
- Member, Hilltop Genealogy Club, Weippe, ID. 2001 – present.
- Jt. School District No. 171 Science Curriculum Review Committee, 1999-2010.
- Secretary/Treasurer, Clearwater County Grain Growers Association, 1996- 2001.
- Member, Community Partners for Youth, 1999 -2010.
- Member, Urban Forestry of Orofino (UFO) 1997 - 2011.
- Member, Clearwater Youth Alliance, 1997 – 2011.
- Member, Jim Ford Creek Watershed Advisory Group (WAG) 1996 – 2006.
- Member, Idaho Forest Stewardship Committee, 1996 – present.
- Member Clearwater Interagency Council on Youth (CICOY), 1996 – 2007.
- Member & Elder, Valley Christian Church, 1991-1996.
- West End Search & Rescue Team (Rescue Diver), 1992 – 1996.

### **Honors and Awards:**

- Hart, K., R. Brooks, C. Williams, J. Church, K. Richel, K. Tiff, K. Jensen & V. Steele. 2014. National Association of County Agricultural Agents Western Region Winner and National Finalist Award in Farm & Ranch Management.
- Brooks, R.H., A. McFarland, P. Gessler, and C. Schnepf. 2010. National Association of County Agricultural Agents Western Region Winner and National Finalist Award in Remote Sensing Applications.
- Brooks, R.H., Y. Barkley, R. Mahoney and C. Schnepf. 2010. Association of Natural Resource Extension Professionals Gold Award for Career Leadership in UI's Strengthening Forest Stewardship Skills.
- Schnepf, C., R. Mahoney, Y. Barkley, R. Brooks, and T. Prather. 2008. Association of Natural Resource Extension Professionals Bronze Award for Outstanding Team Newsletter.
- Schnepf, C., R. Mahoney, R. Brooks, Y. Barkley, and T. Prather. 2007. Idaho Association of Natural Resources and Community Development Outstanding Publication, Newsletter/Series of Articles, Team Award.
- Brooks, R.H. Epsilon Sigma Phi Mid-Career Award. 2006.
- Craig, M.J, R.H. Brooks, S. Nash, M. Pike. Power of Youth Team Award, National Winner, National Association of Extension 4-H Agents, 2003.
- Brooks, R.H. Achievement Award, Idaho Association of County Extension Agents, 2002.
- Craig, M.J, R.H. Brooks, S. Nash, M. Pike. Power of Youth Award – Team. Idaho Association of Extension 4-H Agents, 2002.
- Brooks, R.H. Achievement in Service Award, Idaho Association of Extension 4-H Agents, 2001.
- Brooks, R.H., Carree, Y., R. Mahoney, and C. Schnepf. ANREP (Assoc. of Natural Resource Extension Professionals) Newsletter Category Bronze Award for Woodland Notes, 2001.
- Brooks, R.H. State Early Career Award Winner. Epsilon Sigma Phi. 2000.
- Hart, K., R. Brooks, D. Barton, and J. Church. Flagship Award Nomination, Clearwater Area Farm and Forest Fair, NREM (Natural Resource Environmental Management) Base Program, USDA, 2000.

- Brooks, R.H. Idaho State Winner and Western Region Finalist for National Association of County Agriculture Agent Communications Award: Team Newsletter for the UI Extension Forestry Newsletter (for Woodland Notes). 1999.
- Brooks, R.H. Idaho State Winner for National Association of County Agriculture Agents Excellence in Forestry Award. 1998.

## PROFESSIONAL DEVELOPMENT:

### Outreach – National/International Meetings:

- 7<sup>th</sup> International Fire Ecology & Management Congress. Orlando, FL Nov. 28 – Dec. 2, 2017.
- Society of American Foresters. Madison, WI. Oct. 31 – Nov. 4, 2016.
- National Extension Energy Summit. Seattle, WA. April 7-9, 2015.
- National Association of University Forest Resources Programs. Portland, OR. April 8, 2015.
- International Union of Forest Research Organizations. Salt Lake City, UT. Oct. 5-11, 2014.
- Society of American Foresters. Salt Lake City, UT. Oct. 8-11, 2014.
- International Wood Composite Symposium. Seattle, WA. Apr. 2-4, 2013.
- Society of American Foresters. Spokane, WA. Oct. 23-27, 2012.
- ANREP National Conference. Hendersonville, NC. May 19-24, 2012.
- National Meeting on Climate Change. Flagstaff, AZ. May 16-19, 2011.
- NACAA National Conference. Tulsa, OK. July 12-15, 2010.
- ANREP National Conference, Fairbanks, AK. June 27-30, 2010.
- Epsilon Sigma Phi at GALAXY III, Indianapolis, IN. Sept. 15-19, 2008.
- Public Issues Leadership Development, Washington, DC, April 27-30, 2008.
- Western Extension Foresters Coordinating Committee Annual Meeting, Moscow, ID. Sept. 25-27, 2007.
- Epsilon Sigma Phi, Charleston, SC. Sept. 10-14, 2007.
- Epsilon Sigma Phi Mid-Year National Board Meeting. Orlando, FL. Apr. 2-6, 2007.
- Epsilon Sigma Phi, Annapolis, MD. Nov. 12-18, 2006.
- Western Extension Foresters Coordinating Committee Annual Meeting, Fairbanks, AK, Aug. 21-25, 2006.
- Public Issues Leadership Development, Washington, DC, April 23-27, 2006.
- Epsilon Sigma Phi, Colorado Springs, CO. Nov. 9-12, 2005.
- Public Issues Leadership Development. Washington, DC. Apr. 16-21, 2005.
- Galaxy Conference, Salt Lake City, UT Oct. 21-24, 2003.
- NACAA National Conference, Savannah, GA July 29-Aug 1, 2002.
- NAE4-HA National Conference, Bismarck, ND. Oct. 22-25, 2001.
- 5<sup>th</sup> Annual National 4-H Sportfishing Workshop, Mashpee, MA, May 18-25, 2000.
- 4<sup>th</sup> Annual National 4-H Sportfishing Workshop, Port Orchard, WA. May 6-11, 1999.
- 3<sup>rd</sup> Annual National 4-H Sportfishing Workshop, Palacios, TX. May 4-8, 1998.
- Association of Natural Resources Extension Professionals Annual Mtg. Deerwood, MN. May 18-20, 1998.
- Conservation and Productivity: Working Towards Common Goals. Reno, NV. Nov. 4-6, 1997.
- National Extension Foresters Annual Meeting, Albuquerque, NM. Nov. 10, 1996.
- Society of American Foresters Annual Meeting, Albuquerque, NM. Nov. 11-13, 1996.
- 5<sup>th</sup> International Micro-Irrigation Conference, Orlando, FL. Apr. 2-Apr. 7, 1995.
- 3<sup>rd</sup> Annual National Non-Point Source Watershed Monitoring Workshop, Seattle, WA. Oct. 2-6, 1995.
- National Association of County Ag Agents Annual Meeting, Casper, WY. Sep. 26-30, 1994.
- 1<sup>st</sup> Annual National Non-Point Source Watershed Monitoring Workshop, Charlotte, NC. Sept. 14-16, 1993.
- ASA-CSSA-SSSA Annual Meeting, Minneapolis, MN. Nov. 2-5, 1992.
- ASA-CSSA-SSSA Meeting, Denver, CO. Oct. 28-31, 1991.
- ASA-CSSA-SSSA Meeting, Anaheim, CA, CO. Feb. 19-23, 1989.

### Outreach - Regional Meetings:

- BANR Annual Meeting, Missoula, MT. Oct. 14-16, 2015.
- NARA Annual Meeting. Spokane, WA. Sept. 15-17, 2015.

Small Log Conference. Coeur d'Alene, ID. March 24-25, 2015.  
 BANR Annual Meeting, Moscow, ID. Oct. 1-3, 2014.  
 Western Extension Foresters Coordinating Committee. Richland, WA. Aug. 19-21, 2014.  
 NARA Annual Meeting. Corvallis, OR. Sept. 10-12, 2013.  
 Western Extension Foresters Coordinating Committee. Portland, OR. July 10-12, 2013.  
 Future Energy Conference. Seattle, WA. Nov. 13-16, 2012.  
 NARA Annual Meeting. Missoula, MT. Sept. 12-14, 2012.  
 NARA Outreach Meeting. Missoula, MT. June 13-15, 2012.  
 Western Extension Foresters Coordinating Committee. Flagstaff, AZ. May 20, 2011.  
 Family Forest Owners Conference. Moscow, ID. Mar. 21-21, 2011.  
 Inland Empire Forest Engineering Conference. Moscow, ID. Mar. 1, 2011  
 Regional Approaches to Climate Change in Western Conifers. Strategies for Adaption and Mitigation. Moscow, ID. Dec. 3, 2010  
 Family Forest Conference. Moscow, ID. March 22-23, 2010.  
 Joint Council of Extension Professionals, Western Region Leadership Workshop, San Diego, CA, Feb. 20-21, 2008.  
 Timber Workforce Development Summit. Post Falls, ID. May 12-13, 2008.  
 Lewis-Clark Valley Green Industry Conference. Clarkston, WA. Nov. 15, 2007.  
 Joint Council of Extension Professionals, Western Region Leadership Workshop, Phoenix, AZ, Feb. 6-8, 2007.  
 Inland Empire Reforestation Council Annual Mtg., Coeur d'Alene, ID, Feb. 14-15, 2006.  
 Joint Council of Extension Professionals, Western Region Leadership Workshop, Phoenix, AZ, Feb. 1-3, 2006.  
 Forests Then and Now – Historical Perspectives and Current Issues. A Conference for Family Forest Landowners and Managers. Moscow, ID. March 21-22, 2005.  
 Joint Council of Extension Professionals, Western Region Leadership Workshop, Boise, ID. Jan. 31- Feb. 2, 2005.  
 Forests and Management are Changing - Are You Keeping Up? A Conference for the Private Forest Landowner. Moscow, ID. Mar. 22-23, 2004.  
 National Association of County Agricultural Agents Western Regional Mtg, Las Vegas, NV Oct. 27-28, 2003.  
 Forest Stewardship Management, Challenges for Private Timber in the West. Moscow, ID. Mar. 24-25, 2003.  
 Joint Council of Extension Professionals, Western Region Leadership Workshop, Billings, MT. Feb. 6-8, 2003.  
 Forest Stewardship Management: Caring For Your Forest, Moscow, ID. Mar. 25-26, 2002.  
 Forest Stewardship Management:, Moscow, ID. Mar. 19-20, 2001.  
 Forest Stewardship Management: Looking Ahead into the New Millennium, Moscow, ID. Mar. 20- 21, 2000.  
 Forest Stewardship Management: Working Within the System, Moscow, ID. Mar. 22-23, 1999.  
 Non-Industrial Private Forest Landowners Annual Mtg. Spokane, WA. Jan. 23, 1998.  
 U of I Nursery Pesticide Workshop, Moscow, ID. Oct. 1, 1998.  
 Income Opportunities from Nature's Free Bounty, Moscow, ID. Nov. 7, 1998.  
 5th Annual NIPF Foresters Workshop, Post Falls, ID. Jan. 24, 1997.  
 Forest Stewardship Management: Issues and Barriers. Moscow, ID. Mar. 24-25, 1997.  
 Forest Insect and Disease Identification Shortcourse, Coeur d'Alene, ID. Jun. 3-4, 1997.  
 Systems Approach to Livestock Evaluation, Moscow, ID. Sep. 24-26, 1997.  
 12th Annual Symposium on the Management of Research Forests, Moscow, ID. Sept. 17-18, 1996.  
 Western Regional Alfalfa Symposium, Reno, NV. Feb. 16-18, 1993.  
 Western States Riparian Council Meeting, Boise, ID. Nov. 16-17, 1993.  
 Arizona Riparian Council Annual Meeting, Cottonwood, AZ. Apr. 10-12, 1992.

#### **Outreach – State and Local Meetings:**

Family Foresters Conference. Moscow, ID. Mar. 30-31, 2015.  
 Idaho Association of Soil Conservation Districts Annual Mtg. Lewiston, ID Nov. 16-17, 2014.  
 ILRRC. McCall, ID. June 3-5, 2014.  
 Family Foresters Conference. Moscow, ID. Mar. 24-25, 2014.

UI CALS All College Annual Conference. Moscow, ID. March 10-13, 2014.  
 Family Foresters Conference. Moscow, ID. Mar. 25-26, 2013.  
 Idaho Forestry Day at the Legislature. Boise, ID. Feb. 18, 2013.  
 Idaho Horticulture Symposium. Boise ID. Jan. 23-25, 2013.  
 Family Forester Conference. Moscow, ID. Mar. 19-20, 2012.  
 Current Topics in Farm and Forest Health. Orofino, ID. Dec. 8, 2011.  
 UI CALS Extension Annual Conference. Moscow, ID. Apr. 4-7, 2011.  
 Family Foresters Workshop. Coeur d'Alene, ID. Jan. 21, 2011.  
 Current Topics in Forest Health, Coeur d'Alene, ID. Dec. 10, 2010.  
 Current Topics in Farm and Forest Health, Orofino, ID. Dec. 9, 2009.  
 UI Educators Pesticide Update Training (Hyrnick & Takatori). Lewiston, ID. Oct. 19, 2010.  
 Lewiston Orchards Irrigation District Annual Meeting. Lewiston, ID. April 20, 2010.  
 UI CALS Extension Annual Conference, Burley, ID April 12-15, 2010.  
 Current Topics in Farm and Forest Health, Orofino, ID. Dec. 10, 2009.  
 Current Topics in Farm and Forest Health, Orofino, ID. Dec. 11, 2008.  
 NIPF Family Forest Conference, Moscow, ID. Mar. 17-18, 2008.  
 UI NCIA Pasture Management Workshop, Moscow, ID. May 21-23, 2008.  
 Current Topics in Farm and Forest Health, Orofino, ID. Dec. 11, 2007.  
 UI District 1 Faculty Retreat. Cottonwood, ID. Sept. 29-30, 2008.  
 UI CALS/Extension Annual Conference, Boise, ID April 1-4, 2008.  
 UI District 1 Faculty Retreat. Coeur d'Alene, ID. June 28-29, 2007.  
 UI CALS/Extension Annual Conference, Moscow, ID April 9-12, 2007.  
 NIPF Family Forest Conference, Moscow, ID. Mar. 26-27, 2007.  
 UI NCIA Pasture Management Workshop, Kamiah, ID. May 2-4, 2007.  
 Current Topics in Farm and Forest Health, Orofino, ID. Dec. 14, 2006.  
 UI District 1 Faculty Retreat. Orofino, ID. Oct. 9-11, 2006.  
 UI CALS/Extension Annual Conference, Idaho Falls, ID April 3-5, 2006.  
 UI District 1 Faculty Retreat. Spirit Lake, ID. Aug. 30-31, 2005.  
 UI CALS/Extension Annual Conference, Moscow, ID. Apr. 4-7, 2005.  
 UI NCIA Pasture Management Workshop, Orofino, ID. Mar. 2-3, 2004.  
 NIPF Family Forest Conference, Moscow, ID. Mar. 22-23, 2004.  
 UI CALS/Extension Annual Conference, Boise, ID. Apr. 19-22, 2004.  
 UI District 1 Faculty Retreat. Spirit Lake, ID. Sept. 7-9, 2004.  
 Idaho Forest Nursery Growers Association. Lewiston, ID. Oct. 19, 2004.  
 Professional Applicators Training Workshop, Lewiston, ID, March 4-7, 2003.  
 Non-Industrial Private Forest Landowners Conference, Moscow, ID March 24-25, 2003.  
 Growing Superior Tree Seed Workshop, Moscow, ID. August 14-15, 2003.  
 National Galaxy Conference, Salt Lake City, UT. Sept. 21-25, 2003 .  
 Idaho Character Education Workshop. Boise, ID. Dec. 15-17, 2003.  
 National Assoc. of County Ag. Agents Western Region Mtg., Las Vegas, NV, Oct. 27-28, 2003.  
 Professional Pesticide Applicators Training, Lewiston, ID. Feb. 26, 2002.  
 Meth Lab Recognition, Orofino, ID. Apr. 17, 2002.  
 Growing Superior Seed Cones, Coeur d'Alene, ID. Aug. 15-16, 2002.  
 Forest Insect and Disease Field Day, Orofino, Aug. 23, 2002.  
 Idaho State 4-H Leaders Forum, Boise, ID. Nov. 9-10, 2002.  
 UI District 1 4-H Training, Moscow, ID. Nov. 21-22, 2002.  
 UI CES In-Service, Moscow, ID. Dec. 2-6, 2002.  
 Current Topics in Farm and Forest Health, Orofino, ID. Dec. 12, 2002  
 UI CES IDEAS Training, Nezperce, ID. Feb. 2, 2001.  
 Idaho Home-A-Syst Workshop, Lewiston, ID. Mar. 8, 2001.  
 Professional Pesticide Applicators Training, Lewiston, ID. Feb. 27-28, 2001.  
 Timothy Hay Seminar, Clearwater-Lewis County Farm Bureau, Orofino, ID. Mar. 1, 2001.  
 Scaling and Marketing Private Timber, Genesee, ID. Mar. 2, 2001.  
 Private Landowners Workshop, Moscow, ID. Mar. 26-27, 2001.  
 Thinning and Pruning Field Day, Orofino, ID. May 25, 2001.  
 UI District 1 4-H Training, Moscow, ID. Sept. 17-18, 2001.  
 Water Conserving Landscapes: A Xeriscape Seminar, Lewiston, ID Aug. 30, 2001.  
 UI CES In-Service, Boise, ID. Nov. 26-29, 2001.

Current Topics in Farm and Forest Health, Orofino, ID. Dec. 13, 2001.  
 UI Prairie Area Cereal School, Green Creek, ID. Feb. 14, 2000.  
 Professional Pesticide Applicators Training, Lewiston, ID. Mar. 6-7, 2000.  
 Idaho Home-A-Syst Workshop, Lewiston, ID. Mar. 15, 2000.  
 UI College of Agriculture Annual Conference, Moscow, ID. Mar. 27-30, 2000.  
 Leadership Idaho Agriculture, Moscow, Idaho Falls, Twin Falls, Boise, Spring 2000.  
 UI Web Design Training Class, Nezperce, ID. Sept. 7, 2000.  
 Wilbur-Ellis Forestry Tour, Potlatch, ID Oct. 3, 2000.  
 UI District 1 4-H Training, Moscow, ID. Oct. 17-18, 2000.  
 UI CES In-Service, Boise, ID. Nov. 27-30, 2000.  
 Current Topics in Farm and Forest Health, Orofino, ID. Dec. 7, 2000.  
 Current Topics in Forest Health, Coeur d'Alene, ID. Dec. 8, 2000.  
 U of I Plant Protection Seminar, Moscow, ID. Jan. 4-6, 1999.  
 Kids in Crisis - A Search for Solutions, Orofino, ID. Feb. 11, 1999.  
 Professional Pesticide Applicators Training, Genessee, ID. Mar. 1-2, 1999.  
 Idaho Home-A-Syst Workshop, Lewiston, ID. Mar. 16, 1999.  
 UI College of Agriculture Annual Conference, Sun Valley, ID. April 19-23, 1999.  
 Idaho Association of County Ag Agents Summer Mtg., Grangeville, ID. June 24-26, 1999.  
 U of I District 1 4-H Training, Moscow, ID. Oct. 19-20, 1999.  
 UI CES In-Service, Boise, ID. Nov. 15-18, 1999.  
 Current Topics in Farm and Forest Health, Orofino, ID. Dec. 9, 1999.  
 Area Banana Belt Horticulture Seminar, Lewiston, ID. Feb. 19, 1998.  
 Logger Education to Advance Professionalism, St. Maries, ID. Mar. 26-27, 1998.  
 Logger Education to Advance Professionalism, Kamiah, ID. Apr. 8-10, 1998.  
 UI College of Agriculture Annual Conference, Moscow, ID. Apr. 27-30, 1998.  
 Lolo Creek Water Quality Tour, Weippe, ID. Jun. 3, 1998.  
 Bedrock Creek Crops Tour, Cavendish, ID. Jun. 9, 1998.  
 Small Farms for Fun and Profit, Lewiston, ID. Aug. 14, 1998.  
 North Idaho Cattlemens Annual Meeting, Sandpoint, ID. Oct. 16-17, 1998.  
 U of I District 1 4-H Training, Moscow, ID. Oct. 19-20, 1998.  
 NCIA Horticulture Pesticide Recertification Workshop, Orofino, ID. Jan. 15, 1997.  
 NCIA Horticulture Pesticide Recertification Workshop, Moscow, ID. Jan. 23, 1997.  
 Yellowstar Thistle Seminar, Lewiston, ID. Feb. 6, 1997.  
 NRCS Farm Bill Training and Update, Lewiston, ID. Feb. 12, 1997.  
 Prairie Area Cereal School, Green Creek, ID. Feb. 27, 1997.  
 District I CES 4-H Training, Moscow, ID. Mar. 4-5, 1997.  
 Cavendish Cereal Grower Meeting, Cavendish, ID. Mar. 6, 1997.  
 Clearwater County Weed Fair, Orofino, ID. Mar. 22, 1997.  
 Logger Education to Advance Professionalism, Sandpoint, ID. Mar. 26-28, 1997.  
 District I Spring In-Service, Moscow, ID. Apr. 17-18, 1997.  
 Thinning and Pruning Field Day, St. Maries, ID. Jun. 21, 1997.  
 State 4-H Leaders Forum, Lewiston, ID. Oct. 11-12, 1997.  
 District 4-H Training, Moscow, ID. Oct. 23-24, 1997.  
 Current Topics in Farm and Forest Health, Orofino, ID. Nov. 13, 1997.  
 Current Topics in Forest Health, Coeur d'Alene, ID. Dec 12, 1997  
 Idaho Ag Fertilizer and Chemical Conference, Jackpot, NV. Jan 9-10, 1996.  
 University of Idaho Potato School, Pocatello, ID. Jan. 23-25, 1996.  
 University of Idaho Bean School, Burley, ID. Feb. 13, 1996.  
 University of Idaho Sugarbeet School, Burley, ID. Feb. 16, 1996.  
 Idaho Power Energy Efficient Irrigation Workshop, Howe, ID. Feb. 23, 1996.  
 University of Idaho Pesticide Certification Training, Burley, ID. Feb. 29, 1996.  
 UI District III Faculty Internet Training, Twin Falls, ID. Mar. 17, 1996.  
 NRCS Forestry Training, Orofino, ID. Jun. 18-20, 1996.  
 Small Animal Fitting and Showing Clinic, Nezperce, ID. Aug. 13, 1996.  
 University of Idaho Extension Annual Conference, Boise, ID. Oct. 21-24, 1996.  
 Idaho Ag Fertilizer and Chemical Conference, Jackpot, NV. Jan 10-11, 1995.  
 University of Idaho Potato School, Pocatello, ID. Jan. 24-26, 1995.

University of Idaho Cereal School, Burley, ID. Jan. 31, 1995.  
 University of Idaho Sugarbeet School, Burley, ID. Feb. 1, 1995.  
 University of Idaho Bean School, Twin Falls, ID. Feb. 7, 1995.  
 Blaine County Cereal School, Hailey, ID. Mar. 10, 1995  
 University of Idaho Forage School, Twin Falls, ID. Mar. 15, 1995.  
 University of Idaho Pesticide Recertification Workshop, Burley, ID. Mar. 22, 1995.  
 University of Idaho Extension Spring In-Service, Moscow, ID. Apr. 24-27, 1995.  
 Herbicide Field Plot Tour, Kimberly, ID. Jun. 21, 1995.  
 Minidoka SCD Farmer of the Year Tour, Rupert, ID. Jul. 26, 1995.  
 Various Agriculture Topics, Fieldman's Luncheons, Twin Falls, ID. (June-July, 1995).  
 University of Idaho Sugarbeet Rhizomania Research Tour, Rupert, ID. Aug. 8, 1995.  
 University of Idaho Extension Annual Conference, Moscow, ID. Oct. 30-Nov. 2, 1995.  
 University of Idaho New Faculty Orientation, Moscow, ID. Jan 10-12, 1994.  
 University of Idaho Potato School, Pocatello, ID. Jan. 18-20, 1994.  
 University of Idaho Cereal School, Burley, ID. Jan. 31, 1994.  
 University of Idaho Sugarbeet School, Burley, ID. Feb. 3, 1994.  
 University of Idaho Bean School, Burley, ID. Feb. 8, 1994.  
 Idaho Power Energy Efficient Irrigation Workshop, Burley, ID. Feb. 9, 1994.  
 University of Idaho Forage School, Twin Falls & Burley, ID. Feb. 24, 1994..  
 University of Idaho Extension Spring In-Service, Twin Falls, ID. Apr. 25-28, 1994.  
 Various Agriculture Topics, Fieldman's Luncheons, Twin Falls, ID. (June-July, 1994).  
 Herbicide Field Plot Tour, Kimberly, ID. Jun 20, 1994.  
 Soil Conservation Society LEPA Tour, Burley, ID. Jul. 20, 1994.  
 University of Idaho Extension Annual Conference, Sun Valley, ID. Oct. 25-29, 1994.  
 University of Idaho Extension Annual Conference, Moscow, ID. Oct. 25-29, 1993.  
 University of Idaho Potato School, Pocatello, ID. Jan. 20-21, 1993.  
 University of Idaho Sugarbeet School, Twin Falls, ID. Feb. 2, 1993.  
 Soil Conservation Society LEPA Tour, Burley, ID. Jul. 27, 1993.  
 Herbicide Field Plot Tour, Kimberly, ID. Jun. 24, 1993.  
 Various Agriculture Topics, Fieldmans Luncheons, Twin Falls, ID. (June-July, 1993).  
 Small Grain Tour, Kimberly, ID. Jun. 24, 1993.  
 Water Education for Teachers (Project WET), Burley, ID. Jun. 13-14, 1993.  
 University of Idaho Potato School, Pocatello, ID. Jan. 22-23, 1992.  
 University of Idaho Sugarbeet School, Twin Falls, ID. Feb. 3, 1992.  
 Herbicide Field Plot Tour, Kimberly, ID. July 14, 1992.  
 Various Agriculture Topics, Fieldmans Luncheons, Twin Falls, ID. (June-July, 1992).  
 Field Days, Kimberly & Parma, ID. Jul. 14, 1992.  
 Intermountain Canola Grow Show, Minidoka, ID. Jul. 9, 1992.  
 University of Idaho Extension Annual Conference, Sun Valley, ID. Oct. 26-29, 1992.  
 Field Day, Parma R&E Center, Parma, ID. Jul. 15, 1991.  
 Herbicide Field Plot Tour, Kimberly, ID. July 16, 1991.  
 Idaho Grain Producers Association Annual Meeting, Boise, ID. Nov. 17-18, 1991.

### **Administration/Management**

UI CNR Forest Resources Program Lead, FRFS Dept. April 2015 – present.  
 UI CNR Interim Dept. Head, Forest, Rangeland, and Fire Sciences. Oct. 2015-Oct. 2017  
 UI CNR Forest Resources Society of American Foresters Program Reaccreditation Review Lead.  
 2015-2016.  
 UI Civil Rights Compliance Review, Orofino, ID. Sept. 24, 2009.  
 UI Civil Rights Compliance Review, Orofino, ID. May 10, 2005.  
 UI Civil Rights and Diversity Training, Lewiston, ID. Jan 22, 2003.  
 UI Van Defensive Driving Course, Moscow, ID. Feb. 12, 2003.  
 ICRMP Risk Management Training, Moscow, ID. May 3, 2000.  
 USDA Civil Rights Training, Orofino, ID. Feb. 4, 1998.  
 USDA Service Center Training, Orofino, ID. Aug. 19-21, 1997.  
 Accessibility to Rural Government Through Assistive Technology, Orofino, ID. Jul. 23, 1996.