

# **CURRICULUM VITAE**

University of Idaho

**NAME:** Morgan, Penelope

**DATE:** January 12, 2017

**RANK OR TITLE:** Professor of Forest Resources

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

**OFFICE LOCATION AND CAMPUS ZIP:** Phinney B10, 1133

**OFFICE PHONE:** (208) 885-7507

**DATE OF FIRST EMPLOYMENT AT UI:** August 1986

**DATE OF TENURE:** July 1, 1992

**DATE OF PRESENT RANK OR TITLE:** 1999

## **EDUCATION BEYOND HIGH SCHOOL:**

Ph.D., University of Idaho, Moscow, Idaho, 1984, Forestry, Wildlife and Range Sciences, Dissertation: Modeling Shrub Succession Following Clearcutting and Burning.

M.S., Utah State University, Logan, Utah, 1979, Forest Ecology

B.S., Utah State University, Logan, Utah, 1977, Biology

## **EXPERIENCE:**

### **Teaching, Extension and Research Appointments:**

Professor, Department of Forest Resources (now Forest, Rangeland, and Fire Sciences), University of Idaho, 1999-present

Associate Professor, Department of Forest Resources, University of Idaho, 1991-99

Assistant Professor, Department of Forest Resources, University of Idaho, 1986-91

Full member, Graduate Faculty, University of Idaho, 1990-present

Associate Member, Graduate Faculty, University of Idaho, 1987-90

Assistant Professor, School of Renewable Natural Resources, University of Arizona, 1985-86

Whittenberger Doctoral Fellow, University of Idaho, 1983-84

Weyerhaeuser Doctoral Fellow, University of Idaho, 1981-83

Graduate Assistant, University of Idaho, 1980-81

Graduate Fellow, Utah State University, 1978-79

Research Assistant, Utah State University, 1977-78

Field Technician, Utah State University, 1975-76

## **TEACHING ACCOMPLISHMENTS:**

### **Areas of Specialization:**

Fire ecology and management, landscape ecology, natural resources ecology and conservation biology.

### **Courses Taught:**

University of Idaho (1986-present):

Science Synthesis and Communication (FOR 546, 3 cr; taught online). 2016-present

Fire Ecology (FOR 526, 3 cr.; taught online as well as hybrid). 1986-present

Fire Ecology and Management (FOR 326, Section 1, 3 cr.) 2015-present

Prescribed Fire For Ecologically-Based Management (FOR 444, Section 1, 2-3 cr., 2013 and 2014, and section 2, 2-3 cr. 2016). Service learning, see related article and 4 videos

<http://www.uidaho.edu/cnr/newsevents/featurestories/programfeatures/wildlandfireprogramstudentsmain>)

Exploring Natural Resources (NR 101, 1 cr. 2009-2013)

Prescribed Burning Laboratory (FOR 427, 3 cr.). 2004-2013 100%, 2015 (20%), 2016 80%  
 Cross-disciplinary Research Seminar (FOR 501, Sec. 02) and ENV5 501, Sec. 02), 50%  
 responsibility with JD Wulfhorst, 1 cr., Spring 2011  
 Fire Management and Ecology (FOR 426, 3 cr., online). 2005-2007.  
 Landscape Ecology of Forests and Rangelands (FOR 527, 2-3 cr.). 1991-2008  
 Fire Ecology and Management (FOR 426, 3 cr.). 2002-2010.  
 Fire Regime Condition Class (FOR 504, 1 cr.) 2004, 2005.  
 FOR 501 Seminar (also taught in 2000):  
     International Fire Science Seminar, Spring 2009. <http://www.cnr.uidaho.edu/for501/>  
     What Will Climate Change Mean For Idaho And The Interior West? Fall 2007 (With Jeff  
     Hicke, cross listed as GEOG 501),  
     [http://www.webpages.uidaho.edu/~jhicke/courses/cc\\_fall07.htm](http://www.webpages.uidaho.edu/~jhicke/courses/cc_fall07.htm)  
     Fire, Water and People, 1 cr., Fall 2003.  
 Landscape Ecology, For 404(03) and For 429, 2001-2003  
 Fire Ecology (FOR 526, 1 credit) Online, 100%, 2001, 2002, 2003  
 Introduction to Natural Resources, For 204 (03), Fall 2001  
 Fire Ecology, For 526, 3 cr., Revised annually since 1986, completely updated and revised to  
 incorporate Restoration Ecology and make it 1/3 on-line in 2001, 1986-present.  
 Interdisciplinary Natural Resource Planning, For/RRT/Fish 470; Team-taught course, 3 cr., 2000-  
 01.  
 Seminar, For 200, 1 cr. Cross-listed with Wlf 200. First taught in Spring 1999, revised annually.  
 1999-2002.  
 Wildland Field Ecology, For/Wlf/Fish/RRT 302, 2 cr. in summer, First taught in 1993, Revised  
 annually. 1993-2000  
 Integrated Assessment, Analysis and Modeling (FOR 502, 3 cr.) 100%, 1995, 1997  
 Ecosystem Management (FOR 502, 4 cr.) 50%, 1994  
 Wildland Field Ecology I (FOR 301, 1 cr.) 100%, 1993-94  
 Wildland Fire Management and Ecology, (FOR 426, 3 cr.) 100%, 1986-94  
 Wildland Fire Management (FOR 367, 2 cr.) Alt. Yrs. 100%, 1986-92  
 Fire Ecology and Management (FOR 426, 2 cr.) 100%, 1986-92, 2002-present  
 Prescribed Burning Laboratory (FOR 427, 2 cr.) Alt. Yrs. 100%, 1986-94, 2003  
 Special Topics: Forest Regeneration and Site Preparation (FOR J404/504, Sec. 5, 2 cr.). 50%,  
 with Dave Adams, 1987-93  
 Directed Studies: Systems Ecology, Non-Timber Resource Management and Silviculture (FOR  
 502, Sec. 4, 5, and 8, 5 cr. total) 50%, with Dave Adams, 1986-91  
 Special Topics: Fire Behavior (FOR 404/504, Sec. 4, 1 cr.) 100%. 1989, 1991  
 Directed Studies: Executive Leadership (FOR 502, Sec. 3, 1 cr.) 100%, 1988-90  
 Grand Teton Seminars (FWR 403, 9 sections 1-2 cr.) 100%, 1988-90  
 Practicum (FOR 597, 1 cr.) 100%, Occasional

University of Arizona (1985-86):

Wildland Fire Management (RNR 438, 2 cr.) 50%  
 Silviculture (WSM 410, 3 cr.) 100%  
 Forest/Watershed Field Camp (WSM 489, 3 cr.) 15%

Utah State University (1979):

Principles and Practices of Silviculture (FOR 324, 3 cr.) 100%

**Students Advised:**

Undergraduate:

Senior Thesis and Senior Project, major advisor or co-advisor:

Leslie Fowler, Ecology and Conservation Biology, 2015-2016 (coadvisor K. Yedinak)  
 Rebecca Ramsey, Fire Ecology and Management, 2012-2013  
 Theodore Adams, Environmental Science, 2009-2010  
 Maike Holthuijzen, Ecology and Conservation Biology, 2008-2010  
 Heather Heward, Ecology and Conservation Biology, 2006

Rhiannon Chandler, Ecology and Conservation Biology, 2005

Kelsey Sherich, Ecology and Conservation Biology, 2005

Internship

Dylan Tanner, Moscow High School Extended Learning Internship, 2016

Nancy Bockino, Moscow High School Extended Learning Internship, 2006

Justin Saydell, Ecology and Conservation Biology, 2004

7 (average total), in BS Fire Ecology and Management and BS Forestry

4 (average total), in BS, Minor and Certificate in Fire Ecology and Management Fire Ecology and Management

6 (average total), mostly in BS, Minor and Certificate in Fire Ecology and Management, 2016 and 1 senior thesis

10 (average total), mostly in BS, Minor and Certificate in Fire Ecology and Management, 2015, and 1 senior thesis

12 (average total), mostly in BS, Minor and Certificate in Fire Ecology and Management, 2014

12 (average total), mostly in BS, Minor and Certificate in Fire Ecology and Management, 2013

14 (average total), mostly in BS, Minor and Certificate in Fire Ecology and Management, 2011

20 (average total) in three different majors, as well as 10 in fire minor, 2010, and 1 senior thesis

20 (average total) in three different majors, as well as 10 in fire minor, 2009, and 2 senior thesis

18 (average total) in three different majors, as well as 12 in fire minor, 2008, and 1 senior thesis

15 (average total) in three different majors, as well as 23 in fire minor, 2007

15 (average total) in three different majors, as well as 25 in fire minor, 2006, and 1 senior thesis

12 (average total) in two different majors, as well as 23 in fire minor, 2005, and 2 senior thesis

12 (average total) in two different majors, as well as 21 in fire minor, 2004, and 1 senior thesis

15 (average total) in two different majors, as well as 12 in fire minor, 2003

15 (average total) in two different majors, as well as 8 in fire minor, 2002

11 (average total) in two different majors, 2001

12 (average total) in two different majors 2000 and 1 senior internship

10 (average total) in two different majors, 1999

8 (average total) in two different majors, 1998

8 (average), 1997 and 2 senior theses

9 (average), 1996

8 (average), 1995

8 (average), 1994

8 (average), 1993

8 (average), 1992

9 (average), 1991

8 (average), 1990

7 (average), 1989

3 (average), 1988

12 undergraduate (Freshman Advisor, Department of Forest Resources), 1986-87, Fall 1987

Graduate Students, Major Professor, In Progress:

William Antell, MNR, Integrated option

Nathan Wierwille, MNR, Fire Ecology and Management Option

Eric Kronner, MNR, Fire Ecology and Management Option

Graduate Students, Major Professor, Completed Programs (33 M.S., 13 Ph.D, 1 MNR)

Ben McLane, MNR, Fire Ecology and Management Option, Dec 2018

Monique Wynecoop, MS, 2017

Jonathon Bontrager, MS, 2017

Justin Lauer, MS, 2017

Zachary Lyon, MS, 2015

Kerry Kemp, PhD, Co-advisor with Phil Higuera, 2015

Camille Stevens-Rumann, PhD Natural Resources, 2015

Jack Cohen, PhD Natural Resources, 2015

Kyla Berendzen, MS Natural Resources, 2015  
 Donovan Birch, MS, Natural Resources, 2013  
 Ashley Wells, MS, Natural Resources, 2013  
 Christine Droske, MS, Natural Resources, 2012  
 Chad Hoffman, PhD, Natural Resources, 2011  
 Marshall Moy, MS, Forest Resources, 2010  
 Heather Heward, MS, Forest Resources, 2009  
 Zachary Holden, Ph.D., Natural Resources, 2008  
 Amy Pocewicz, Ph.D., 2006, Forest Resources  
 Carly Gibson, M.S., 2006, Forest Resources  
 Lauren Shapiro, M.S., 2006, Forest Resources  
 Zachary Holden, MS, 2005, Forest Resources.  
 Wendy Joslin, M.S., May 2004, Forest Resources  
 Lonnie Newton, M.S., May 2002, Forest Resources  
 Casey Teske, M.S., December 2001, Forest Resources  
 Rene Guaderrama, M.S., May 2000, Forest Resources  
 Kelly Ann Gorman, M.S., December 2001, Forest Resources  
 Terrie Jain, Ph.D., April 2001, Forestry, Wildlife and Range Sciences  
 Steven McConnell, Ph.D., 1998, Natural Resources  
 Matthew G. Rollins, Ph.D., 1999, University of Arizona  
 Russell Parsons, M.S., 1999, Forest Resources Department  
 Anne E. Black, Ph.D., 1998, Forestry, Wildlife and Range Sciences  
 Donald G. Long, M.S., 1998, Forest Resources Department  
 Paul Flanagan, Ph.D., 1998, Forestry, Wildlife and Range Sciences  
 Sue Stewart, M.S., 1996, Forest Resources Department  
 Norberto Rodriguez, M.S., 1996, Forest Resources Department  
 William Wilkinson, M.S., 1995, Forest Resources Department  
 Michael Behrens, M.S., 1995, Forest Resources Department  
 Lee Harry, M.S., 1994, Forest Resources Department  
 Robert E. Keane, Ph.D., 1994, Forestry, Wildlife and Range Sciences  
 Arthur C. Zack, Ph.D., 1994, Forestry, Wildlife and Range Sciences  
 Arthur C. Zack, M.S. (nonthesis), 1993, Forest Resources  
 Abdoulie Danso, M.S., 1992, Forest Resources Department  
 Hanako Yamane, M.S., 1991, Forest Resources Department  
 Siw Marie Lea, M.S., 1991, Forest Resources Department  
 Irene Saphra, M.S., 1989, Forest Resources Department, University of Idaho  
 Walter Dunn, M.S., 1987, School of Renewable Natural Resources, University of Arizona  
 Ricardo Duenez, M.S., 1987, School of Renewable Natural Resources, University of Arizona

#### Graduate Committee Membership:

Darcy Hammond, Ph.D., Natural Resources, In progress.  
 Peter Noble, M.S., Natural Resources, In progress  
 Jarod Blades, Ph.D., Natural Resources, 2014.  
 Christopher O'Brien, MS, Conservation Social Sciences, 2013  
 Jennifer Newman, MS, Conservation Social Sciences, 2013  
 Elise Suronen, MS, Rangeland Ecology and Management, 2013  
 Amber Morris, MS, Rangeland Ecology and Management, 2010  
 Josh Hyde, MS, Forest Resources, 2010  
 Breeana Jackson, MS Environmental Science, 2009  
 Meghan Monahan, MS Geography, 2008  
 Heidi Bigler Cole, PhD Natural Resources, 2006  
 Michael Falkowski, MS 2005, Forest Resources  
 Nicole Seaman, MS 2005, Wildlife Resources  
 Brain Moser, Ph.D., Natural Resources  
 Caren Goldberg, Ph.D., Natural Resources, 2009  
 Max Nielson-Pincus, Ph.D., Natural Resources

Aki Koyama, Ph.D., Natural Resource  
 Kirsten Stephan, Ph.D., Natural Resources  
 Edgar Varron, Ph.D., Entomology  
 Chris Looney, Ph.D., Environmental Science  
 Aaron Smith, Ph.D., Forest Resources  
 Tobah Gass, M.S., Forest Resources  
 Natalya Medyeva, M.S., Environmental Science  
 Ryan Long, M.S., Fish and Wildlife Resources  
 Nicole Seaman Nielson-Pincus, M.S. Fish and Wildlife Resources  
 Steve Abele, M.S., Fish and Wildlife Resources  
 Mike Falkowski, M.S. 2004, Forest Resources  
 Michelle Kissling, M.S., 2003, Fish and Wildlife Resources  
 David Morgan, M.S., 2002, Forest Resources  
 Kathleen McGrath, Ph.D., 2002, Fish and Wildlife Resources  
 Ashley Covert, M.S., 2002, Forest Resources  
 Greg Gollberg, M.S., 2001, Forest Resources  
 David Mattson, Ph.D., 1999, Department of Fish and Wildlife Resources  
 Michael Murray, Ph.D., 1998, Department of Range Resources  
 Herminio Botelho, Ph.D., 1997, Universidad de Alto Douro e tras o Montes, Portugal  
 Pete Robichaud, Ph.D., 1997, Department of Agricultural Engineering  
 Brian P. Oswald, Department of Forest Resources  
 Elaine K. Sutherland, Ph.D., 1987, Watershed Management, School of Renewable Natural Resources, University of Arizona.  
 Christine Jakobsen, M.S. 1999, Department of Resource Recreation and Tourism  
 Linda Schwarz, M.S., 1999, Department of Forest Resources  
 Gerald Green, M.S., Department of Fish and Wildlife Resources  
 John O'Neill, M.S., Department of Fish and Wildlife Resources  
 Deborah Forester, M.S., Department of Forest Resources  
 Diana A. Costa, M.S., Department of Forest Resources  
 Troy Tady, M.S., Department of Forest Resources  
 Maria Mantas, M.S., Department of Forest Resources  
 Frank Edelman, M.S., Department of Fish and Wildlife Resources  
 Ann Rocklodge, M.S., Department of Fish and Wildlife Resources  
 Lisa Bate, M.S., Department of Fish and Wildlife Resources

1 M.S. and 1 Ph.D. in Renewable Natural Resources and 1 Ph.D. in Ecology and Evolutionary Biology while at University of Arizona (1985-86)

#### **Materials Developed:**

Course web site for FOR 326, Fire Ecology and Management. 2015-present, Revised annually.  
<https://bblearn.uidaho.edu>  
 Course web site for FOR 426, Fire Management and Ecology. 2004-2014. Revised annually.  
[http://www.cnr.uidaho.edu/fire\\_mgt](http://www.cnr.uidaho.edu/fire_mgt)  
 Course web site for FOR 427, Prescribed Burning Laboratory, 2004-2013, Revised annually.  
<http://www.cnr.uidaho.edu/for427/>  
 Course web site for FOR 526, Fire Ecology. 2015-present (<https://bblearn.uidaho.edu>) 2001-present ([http://www.cnr.uidaho.edu/fire\\_ecology](http://www.cnr.uidaho.edu/fire_ecology)). Revised annually.  
 Course web site for FOR 426 (online), Fire Ecology and Management. 2005-2007, 2011, Revised annually <http://www.cnr.uidaho.edu/for426online>  
 Course web site for FOR/Range 527, Landscape Ecology of Forests and Rangelands. 2000-2008, Revised annually. [http://www.cnr.uidaho.edu/landscape\\_ecology](http://www.cnr.uidaho.edu/landscape_ecology)  
 Course web site for FOR/WLF/Range/FISH/WLF/RRT 470, Interdisciplinary Natural Resource Problem Solving. 2000-2001. <http://www.cnr.uidaho.edu/cnr470> (This was a team-effort)

#### **Courses Developed:**

Prescribed Fire for Ecologically-Based Management, 1-15 cr., Service Learning course, FOR 404, Spring 2011 and 2012. Now is FOR 444.

Prescribed Burning Laboratory, FOR 427, 3 cr. <http://www.cnr.uidaho.edu/for427>. Substantial revision including all course assignments in 2005, 2006, and 2007. Updated annually. Major revision completed with Heather Heward leading in 2013, 2014, 2015. .

Fire Ecology, FOR 526, 3 cr., Revised every year, substantially revised in 2001 to make 1/3 online [http://www.its.uidaho.edu/fire\\_ecology](http://www.its.uidaho.edu/fire_ecology)

Fire Ecology, FOR 426, 2 cr., Online. <http://www.cnr.uidaho.edu/for426online>. 2005-2007, Revised annually.

Fire Regime Condition Class, FOR 504, 1 cr. New course in 2004.

Landscape Ecology, FOR 429, 2 cr., Revised every year. [http://www.its.uidaho.edu/land\\_ecol](http://www.its.uidaho.edu/land_ecol)

Introduction to Natural Resources, FOR 204 (03), Fall 2001

Landscape Ecology of Forests and Rangelands, FOR 527, First taught in 1996, revised annually. Web site added in 2000, [http://www.its.uidaho.edu/landscape\\_ecology](http://www.its.uidaho.edu/landscape_ecology)

Wildland Field Ecology, For/Wlf/Fish/RRT 302, 2 cr. in summer, First taught in 1993, Revised annually. Web site added in 1999. [http://www.its.uidaho.edu/field\\_ecology](http://www.its.uidaho.edu/field_ecology)

Seminar, For 501, 1 cr., Fall 2000

Interdisciplinary Natural Resource Planning, For/RRT/Fish 470; <http://www.its.uidaho.edu/cnr470>, Team-taught course, 3 cr., 2000-01

Interdisciplinary Natural Resource Planning (FOR 470, 3 cr.), Fall 2000, 10 students. Cross-listed with RRT 470, WLF 470, FISH 470, FORP 470, and Range 470. Team-taught course.

Seminar (FOR 501, 1 cr.), Fall 2000, 13 students, Revised Fall 2000.

Seminar (FOR 200, 1 cr.), Spring 2000. Cross-listed with WLF 200. First taught in Spring 1999, revised annually.

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

##### Shortcourses:

- CEEM (Continuing Education in Ecosystem Management) Module 3: Integrated Inventory, Analysis and Assessment, October 20-31, 1997, 27 participants (coordinator and lead instructor). (Note: This was also offered for academic credit as FOR 502, DS: Integrated Assessment Analysis and Modeling.)
- CEEM (Continuing Education in Ecosystem Management) Module 3: Integrated Assessment, Analysis and Modeling, October 1995, 29 participants (coordinator and lead instructor). (Note: This was also offered for academic credit as FOR 502, DS: Integrated Assessment, Analysis and Modeling.)
- CEEM (Continuing Education in Ecosystem Management) Module I: Human and Biophysical Dimensions of Ecosystems: An Evolutionary Perspective, October 17-November 4, 1994, 30 participants (lead instructor, 50% responsibility with Dave Adams). (Note that this was also offered for academic credit as FOR 502, DS: Ecosystem Management).
- Continuing Education in Ecosystem Management (Steering Committee Member, 1992-present; Chair, 1996-present), Design of overall curriculum and coordinator for one of the core modules).
- As Coordinator of Continuing Education and Outreach, College of Forestry, Wildlife and Range Sciences, 1986-89, I had overall responsibility for educational programs held on-campus, at the McCall and Clark Fork Field Campuses, and at various off-campus locations. I also supervised the program managers of the Clark Fork and McCall Field Campuses. In 1987-88, we had 80 events and 8,508 participant days.

In addition, I had principal responsibility for the following events:

- Traditional Knowledge and Fire, Nov 7-9, 2012, Pablo and Polson, MT., Sponsored by Northern Rockies Fire Science Network.
- Elderhostel: Wild Country Botanizing, July 1987, 1988 (1 week each). Clark Fork Field Campus, Clark Fork, Idaho. Coordinator.
- Elderhostel: Wild Nature of Idaho, July 1987, July 1988 (1 week each). McCall Field Campus, McCall, Idaho. Coordinator.

Land Classifications Based on Vegetation--Applications for Resource Decisions, November 17-19, 1987. Moscow, Idaho. Chair, Planning Committee and Co-compiler of proceedings.

Ponderosa Pine: The Species and Its Management, September 29-October 1987. Member, Symposium Planning Committee.

Expert Systems in Natural Resources. University of Idaho. May 12-13, 1987. Coordinator.

Guidance Council Meetings, College of Forestry, Wildlife, and Range Sciences, University of Idaho. October 24-25 and April 24-25, 1987; April 22-23, 1988. Coordinator.

University of Idaho Experimental Forest Tour, Guidance Council, October 25, 1987. Coordinator.

Forestry Day, University of Idaho. October 24, 1986, and October 24, 1987. Coordinator.

Clark Fork Enrichment Series, Clark Fork Field Campus. August 1986-present. Co-Coordinator.

McCall Enrichment Series, McCall Field Campus. 1988. Co-Coordinator.

CEFES: Continuing Education in Forest Ecology and Silviculture. University of Idaho. 1988.

#### Individual Course Coordinator:

Integrated Assessment, Analysis and Modeling, 3rd core module of CEEM (Continuing Education in Ecosystem Management). University of Idaho. 1995, 1997. Academic credit available. 27-29 participants. Budget was \$46,400 (1995) and \$43,200 (1997) generated through participant registration fees. 2 weeks long.

Human and biophysical dimensions: An evolutionary perspective for the Inland Northwest and Plains, 1st core module of CEEM (Continuing Education in Ecosystem Management). University of Idaho. 1994. Academic credit available. 29 participants. 1994 budget was \$72,000 generated through participant registration fees. (50% responsibility with Dave Adams). 3 weeks long.

CEFES: Continuing Education in Forest Ecology and Silviculture. University of Idaho. 1988, 1989, 1991, 1993. Academic credit available. 18-29 participants each year. 1991 budget was \$63,000 generated through registration fees.

Fire Behavior. University of Idaho. March 26-28, 1990. Academic credit available. 60 participants.

Fire Research at the University of Idaho, May 1988, 2 days. 8 participants.

Executive Leadership of Political and Social Forces in Natural Resources. University of Idaho. April 20-25, 1987; April 18-22, 1988; April 17-21, 1989; April 9-13, 1990. Coordinator and lead instructor. Academic credit available. 18-25 participants each year.

Forest Regeneration and Site Preparation, Advanced Education in Western Silviculture Series, November 30-December 11, 1987; February 13-24, 1989. Coordinator and lead instructor. Academic credit available. 18-25 participants each year. 1989 budget was \$29,700 generated through registration fees.

#### Instructor:

Historical Range of Variability, Landscape Ecology and Disturbance Regimes, CEEM Northern Arizona University, Flagstaff, Arizona, 1997-2000, 12 hours, 35 participants.

Disturbance Ecology and Disturbance Regimes, Continuing Education in Ecosystem Management, University of Idaho, Moscow, Idaho, November 1997, 6 hours, 30 participants.

Historical Range of Variability, Continuing Education in Ecosystem Management, University of Idaho, Moscow, Idaho, November 1997, 3 hours, 30 participants.

Integrated Assessment, Analysis and Modeling, 3rd core module of CEEM (Continuing Education in Ecosystem Management). University of Idaho. 1995, 1997. Lead instructor (50% with Dave Adams in 1995, 100% in 1997) for intensive 2-week course.

Human and biophysical dimensions: An evolutionary perspective for the Inland Northwest and Plains, 1st core module of CEEM (Continuing Education in Ecosystem Management). University of Idaho. 1994. Lead instructor for intensive 2-week course.

Prescribed fire management. Northern Training Center, Missoula, Montana. 1996. 3 hours.

CEFES: Continuing Education in Forest Ecology and Silviculture. University of Idaho. 1982, 1988, 1989, 1991, 1993. Lead instructor for intensive 3-week course (50%).

Fire Ecology in Ecosystem Management. March 8, 1993. Invited presentation (1 hr.), Missoula, Montana.

- Fire Management in New Perspectives. November 18-21, 1991. Invited presentation (1 hr.), Coeur d'Alene, Idaho.
- International Seminar on Forest Administration and Management. Short course sponsored by University of Michigan. Boise, Idaho, September 28, 1990. 28 participants from 21 countries. Contributor.
- New Perspectives Workshop. November 28-29, 1990, Moscow, Idaho. Sponsored by UI, College of Forestry, Wildlife, and Range Sciences, and USDA Forest Service. Facilitated two workshops to write a vision statement and identify barriers to implementation.
- Conference Advantage: Hosting successful conferences in Moscow. November 13, 1990. Sponsored by Moscow Chamber of Commerce and University of Idaho Conference Services. Invited to give presentation, participant.
- Best of Jackson Hole: The Science Behind Environmental Issues. August 10, 1989 (1/2 day). Teton Science School, Kelly, Wyoming. Instructor.
- Workshop on Fire History and Management (by request of the USDA Forest Service and the Wyoming Game and Fish Department), July 1988, 1 day, 8 participants. Coordinator and instructor.
- Fire Ecology of the Greater Yellowstone, July 1987, July 1988, August 1989 (3 days each). Teton Science School, Kelly, Wyoming. Instruction (50%).
- Wildfire: Fire Ecology, July 1987, July 1988, and August 1989 (1 day each). Teton Science School, Kelly, Wyoming. Instructor (50%).
- Curso Sobre O Uso do Técnica do Fogo Controlado, Lousa, Portugal, November 1988 (4 days). Instructor (1 hr.).
- CEFM: Continuing Education in Fire Management. University of Idaho. 1983, 1984, 1985. Faculty.
- Funding:  
 \$265,048 generated through participant registration fees (10 events).  
 \$6,400 from 2 grants to support continuing education and outreach efforts.

#### Invited Lectures at University of Idaho:

- Fire Ecology and Management, was FOR 426, now FOR 326, annually 2010-2014
- Wildland Fire Management, REM 244, annually, 2011-present
- Historical range of variability, Landscape Ecology (REM 429), annually 2009-2013
- Rangeland Vegetation Ecology (Range 551), annually 1991-2011
- Rangeland Ecology (Range 459), annually 1990-2009
- Natural Resource Policy Analysis Seminar (FOR 501), 1996
- Silviculture (FOR 424), annual, 1993-96
- Orientation (FWR 101), 1993
- Rangeland Vegetation Ecology (Range 551), annual, 1992-present
- Principles of Forest Management (FOR 270), annual, 1988-present
- Forest Ecology (FOR 221), 1991
- Wilderness Management (ResRc 490), 1991
- Introduction to Forest Management (FOR 102), Annual, 1986-92
- Forest Resource Inventories (FOR 474), 1987, 1990, 1991, 1994, 1995, 1996
- Artificial Regeneration (FOR 412/512), 1990
- Ecological effects of the Yellowstone Area Fires. Three presentations to high school biology classes, October 1988 and 1991 (1 hour each), Moscow, Idaho.

#### Honors and Awards:

- Biswell Lifetime Achievement Award from the international Association for Fire Ecology, 2017
- Donald Crawford Graduate Faculty Mentoring Award, 2015
- Service-Learning Faculty Fellow, University of Idaho, 2012
- Certified Senior Wildland Fire Ecologist, Association for Fire Ecology, November 2011.
- Outstanding Research Award, College of Natural Resources, University of Idaho, 2009
- Outstanding Teaching Award, College of Natural Resources, University of Idaho, 2008.
- University Award for Excellence in Outreach, University of Idaho, 2007.
- Outstanding Advisor Award, College of Forestry, Wildlife and Range Sciences, University of Idaho,

1997

Sabbatical Leave, 1998-99 Academic Year, Climate-fire-vegetation linkages in Rocky Mountain landscapes, University of Idaho, 1998

Jackson Hole Award for Creativity, 1996, given by Cultural Council of Jackson Hole and Jackson Hole Fine Arts Guild to the Morgan family: John, Georgie, Wendy, Kaidi, Penny, Cindy, and Lisa.

Alumni Association Award for Faculty Excellence, University of Idaho, 1995, 1997

International Honor Roll, University of Idaho, 1990

Outstanding Continuing Education and Service Award, College of Forestry, Wildlife, and Range Sciences, University of Idaho, 1990

Whittenberger Doctoral Fellowship, University of Idaho, 1983

Weyerhaeuser Doctoral Fellowship, University of Idaho, 1981, 1982

Graduate Fellowship, Utah State University, 1978

Magna Cum Laude, B.S., Utah State University, 1977

## SCHOLARSHIP ACCOMPLISHMENTS:

### Refereed and Peer Reviewed Publications, In Review or In Preparation:

#### Book

Rego, FMCC, C Hoffman, PM Fernandes, and P Morgan. In prep. Wildland Fire Science: Principles and Applications. Under contract with Springer Nature. To be completed in May 2019.

#### Refereed Publications, In Review or In Preparation:

Stevens-Rumann CS, P Morgan, In review. Tree regeneration following wildfires in the western US: A review. Invited paper. Fire Ecology.

Stevens-Rumann CS, AT Hudak, P Morgan, A. Arnold. In review. Fuel longevity following wildfire in the US Northern Rockies forests. Fire Ecology.

Lauer JB, P Morgan, C Stevens-Rumann, EK Strand, AT Hudak. In review. Reburns and fire-on-fire interactions in the U.S. northern Rockies forests 1900-2014. Submitted May 2018 to Fire Ecology.

Morgan, P., E.K. Heyerdahl, E. Strand, S. C. Bunting, J. P. Riser II, J. T. Abatzoglou, M Nielsen-Pincus, and M Johnson. In Preparation. Fire and Land Cover Change in the Palouse Prairie-forest ecotone, Washington and Idaho, USA. To be submitted to Landscape Ecology in January 2019.

#### Peer Reviewed and Other Technical Publications, In Review or In Preparation

Berendzen, K., T.B. Jain, and P. Morgan. In revision. Providing young stand management through crop tree release in northern Rocky Mountain mixed-conifer forests. General Technical Report. Submitted in February 2017.

### Refereed Publications, Published:

Bontrager JD, P Morgan, AT Hudak, PR Robichaud. In press. Long-term vegetation response following post-fire straw mulching. Fire Ecology.

Wynecoop MD, P Morgan, EK Strand, FS Trigueros. In press. Getting back to fire sumés: exploring a multi-disciplinary approach to incorporating traditional knowledge into fuels reduction treatments. Fire Ecology.

Kemp KB, PE Higuera, P Morgan, JT Abatzoglou. In press. Sensitivity of post-fire tree regeneration to future climate. Ecosphere Article ECS22568 DOI: 10.1002/ecs2.2568

- Lyon, Z. P. Morgan, A. Sparks, C. Stevens-Rumann, R. Keefe, and A.M.S. Smith. 2018. Fire behavior in masticated forest fuels: lab and prescribed burn experiments. *International Journal of Wildland Fire* 27(4): 280-292. <https://doi.org/10.1071/WF17145>.
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**Presentations and Other Creative Activities (Author presenting is in bold):**

- Hammond, D.H.,** E.K. Strand, A.T. Hudak, P. Morgan, B.A. Newingham. 2018. Spatial characteristics of burn severity patches and effects on post-wildfire conifer regeneration in ponderosa pine forests. Fire Continuum Conference, Missoula, MT, 22 May 2018.
- Stevens-Rumann, CS,** P. Morgan, J. Blades. 2018. Wildfires and climate: ecosystem resilience and effective post-fire management in the western USA. 8th International Conference on Forest Fire Research, Coimbra, Portugal.
- Morgan, P.** 2017. Invited. Burn Severity: Where, Why, So What? Invited for AFEx Plenary, Nov. 29, 2017, The 7th AFE International Fire Congress. 425 attendees.
- Morgan, P.** 2017. Invited. Course Wrap-up for RX310 Interagency Training Course on Managing Fire Effects. Dec. 1, 2017, The 7th AFE International Fire Congress. 32 attendees.
- Morgan, P.,** Andrew T. Hudak, Ashley Wells, Sean A. Parks, L. Scott Baggett, Benjamin C. Bright, Patricia Green. 2017. Invited. Multidecadal trends in area burned with high severity in the Selway-Bitterroot Wilderness Area 1880 to 2012. Part of special session, "Monitoring Vegetation Recovery a Decade Post Fire in Five Western North American Ecosystems" organized by Andrew T. Hudak. Nov. 30, 2017, The 7th AFE International Fire Congress. 35 attendees.
- Morgan, P.** 2017. Invited. Educating all fire professionals for the future. Part of special session, "Faces within the Fire: Toward an Inclusive Culture" organized by Lisa M. Ganio and Carrie Spradlin. Nov. 30, 2017, The 7th AFE International Fire Congress. 25 attendees.
- Tomayko, Anjeleeca M.,** Penelope Morgan, Eva K. Strand, and Camille Stevens-Rumann. 2017. Vegetation response to mastication and burning in a mixed conifer forest. Poster. Nov. 28, 2017, The 7th AFE International Fire Congress.
- Tomayko, Anjeleeca M.,** Penelope Morgan, Eva K. Strand, and Camille Stevens-Rumann. 2017. Vegetation response to mastication and burning in a mixed conifer forest. Poster. Nov. 17, 2017, Society of American Foresters Annual Meeting.

- Stevens-Rumann, C., P. Morgan, and J. Blades.** 2017. Post-fire regeneration and forest resilience in changing climate. Presented at each of 4 focus groups that I helped Camille Stevens-Rumann and Jarod Blades organize. These focused on post-fire tree regeneration failures. presented around the region (Boise ID, McCall ID, Missoula MT, Jackson WY). 21 participants total.
- Morgan, P.** 2017. Invited. Leadership and Education. M580 Fire and Ecosystem Management, an Interagency Training Course. Jan 27 2017 45 attendees.
- Isenbarger, Stacy, and P. Morgan.** 2017. Visualizing Fire Science. Invited presentation to FOR 501 Seminar. Feb. 22, 2017. 28 students and faculty.
- Schoennagel, T., **P. Morgan**, J. Balch, P. Dennison, B. Harvey, R. Hutto, M. Krawchuk, M. Moritz, R. Rasker, and C. Whitlock. 2016. Insights from wildfire science: a resource for fire policy discussions. Invited. <http://headwaterseconomics.org/wildfire/insights>.
- Morgan, P.** 2016. Large fires and climate. Invited. Nez Perce Tribe fisheries and forestry programs. Jan 28, 2016. ~120 participants. Invited.
- Wright, V., and Morgan, P.** 2016. Prescribed Fire Council for the Northern Rockies? Invited. MT-ID Airshed Group Annual meeting, Kalispell, MT. Jan. 27, 2016. 45 participants. Invited.
- Schmidt M., Hammond, D.H, A.T. Hudak, B.A. Newingham, E.K. Strand, P. Morgan,** 2016. Long-term burn severity and edge effects on non-native plant cover (poster presentation) Society for Range Management National Annual Meeting, Corpus Christi, Texas, February 2016.
- Morgan, P.** 2016. Leadership and developing fire professionals. M-580 Fire in Ecosystem Management, National Advanced Fire and Resource Institute, Tucson, AZ. January 29, 2016, 72 participants. Invited.
- Kobziar, L. and P. Morgan.** 2016. Preparing fire professionals for the future: online fire education at the University of Idaho. Invited. USFS Intermountain Region Fuels and Fire Managers annual meeting, Ogden, UT (presentation delivered remotely). Feb 3, 2016. 20 participants. Invited.
- Morgan, P. and L. Kobziar.** 2016. Prescribed Fire Council for the Northern Rockies? Invited. USFS Intermountain Region Fuels and Fire Managers annual meeting, Ogden, UT (presentation delivered remotely). Feb 3, 2016. 20 participants. Invited.
- Morgan, P.** 2016. Implications of large fires for forests. Invited. Foresters' Forum. Coeur d'Alene, ID. Feb 3, 2016. 160 professional foresters. Invited.
- Morgan, P.** 2016. Fire behavior in masticated fuels. MT-ID Airshed Group Annual meeting. Feb 10, 2016. 45 participants. Invited.
- Morgan, P.** 2016. Prescribed Fire Council for the Northern Rockies? Invited. MT-ID Airshed Group. Invited. MT-ID Airshed Group Annual meeting. Feb 10, 2016. 45 participants.
- Morgan, P.** 2015. Fire, Forests and Climate. Webinar for national extension group: Climate Forests and Woodlands. Contact Jennifer Grantham, North Carolina State Univ. 7 January 2016. 35 participants. Invited.
- Heward, H., L. Kobziar, and P. Morgan.** 2015. Educating fire professionals through experiential and online education in fire ecology and management. 6th International Fire Ecology and Management Congress, San Antonio, Texas, 17 Nov 2015. Oral presentation

- Morgan, P. Z. Lyon, A. Sparks, A.M.S. Smith and R. Keefe.** 2015. Fire behavior in masticated fuels burned in lab and field experiments. 6th International Fire Ecology and Management Congress, San Antonio, Texas, 17 Nov 2015. Oral presentation, Invited
- Morgan, P.** Harnessing the power of fire to change landscapes. 2015. 6th International Fire Ecology and Management Congress, San Antonio, Texas, 17 Nov 2015. Oral presentation, Invited
- Lyon, Z., A. Sparks, Penelope Morgan, R.Keefe, and A.M.S. Smith.** 2015. Prescribed burns in masticated fuels. 6th International Fire Ecology and Management Congress, San Antonio, Texas, 17 Nov 2015. Poster presentation.
- Kemp, K.B., P.E. Higuera, P. Morgan, and J. Abatzoglou.** 2015. Climate and wildfire affect tree regeneration in mixed conifer forests of the U.S. northern Rockies. 6th International Fire Ecology and Management Congress, San Antonio, Texas, 17 Nov 2015. Oral presentation
- Stevens-Rumann, C.,** Susan J. Prichard, Eva K. Strand, Penelope Morgan. 2015. Prior wildfires influence burn severity of subsequent fires. 6th International Fire Ecology and Management Congress, San Antonio, Texas, 17 Nov 2015. Oral presentation
- Bontrager, J.D., P. Morgan, A.T. Hudak, P.R. Robichaud, E.K. Strand.** 2015. Long term vegetation recovery following post-fire mulching. 6th International Fire Ecology and Management Congress, San Antonio, Texas, 17 Nov 2015. Poster presentation.
- Lauer, J.B., P. Morgan, C. Stevens-Rumann, A.T. Hudak, and E.K. Strand.** 2015. Reburns and fire-on-fire perimeter interactions 1900-2013. 6th International Fire Ecology and Management Congress, San Antonio, Texas, 17 Nov 2015. Poster presentation.
- Schmidt, M., D. H. Hammona, A.T. Hudak, B.A. Newingham, E.K. Strand, and P. Morgan.** 2015. Biodiversity and invasive plants ten years after large forest fires. 6th International Fire Ecology and Management Congress, San Antonio, Texas, 17 Nov 2015. Poster presentation.
- Davis, B., M. Panunto, M., **G. Dillon,** and P. Morgan. 2015. Predicting fire severity: Informing fire management decision-making. 6th International Fire Ecology and Management Congress, San Antonio, Texas, 17 Nov 2015. Poster presentation.
- Panunto, M., B.Davis, **G. Dillon,** and P. Morgan. 2015. Mapping the potential for high severity wildfire in the eastern United States. 6th International Fire Ecology and Management Congress, San Antonio, Texas, 17 Nov 2015. Poster presentation.
- Hudak, A.T., B.C. Bright, R.E. Kennedy, K.L. Satterberg, E.K. Strand, S.A. Lewis, B.A. Newingham and P. Morgan.** Monitoring site recovery as a function of burn severity and time-since-burn in four western U.S. ecosystems. 6th International Fire Ecology and Management Congress, San Antonio, Texas, 17 Nov 2015. Oral presentation, published abstract).
- Hoffman, C.M., Sieg, C.H., Linn, R.R., Mell, W.E., Morgan, P. Parsons, R.** 2015. Exploring the effect of pattern, magnitude and timing of bark beetle mortality on fire behavior: perspectives from mathematical modeling. Bioagricultural Sciences & Pest Management Seminar Series, Colorado State University, September 23, Fort Collins, CO. (Invited)
- Abatzoglou, J., **T. Link,** and P. Morgan. 2015. Indicators of climate change in Idaho: The Intersection of biophysical change with social perception. McCall Outdoor Science School, 21 graduate students and faculty, invited. September 17, 2015.

- Abatzoglou, J., T. Link, and P. Morgan.** 2015. Indicators of Climate change in Idaho  
The intersection of biophysical change with social perception. Renfrew Interdisciplinary  
Colloquium, University of Idaho. Sept. 15, 2015.
- Wulforst, J.D.,** N. Bosque-Pérez, J.E. Force, L. Waits, S. Eigenbrode, B. Finegan, P. Morgan, N.  
Sibelet, and Z. Klos. 2015. Training for teams as a new era of interdisciplinary research.  
Presented at the 9th annual International Technology, Education, & Development  
conference. Madrid, Spain. 2-4 March.
- Morgan, P.** 2014. Invited. Living with fire in a rapidly changing world. Symposium on Sciences and  
Arts of Fire, Castelo de Vide, Portugal. 62 people attended, including local fire managers, town  
and provincial officials, and scientists and students from 12 countries.
- Morgan, P.** 2014. Invited. Living with fire in a rapidly changing world. Instituto Superior de  
Agronomia, University in Lisbon, 19 November 2014. 42 people attended, including professors  
and graduate students from Portugal and other countries.
- Morgan, P.** 2014. Invited. Wildland fires, past present and future. Fire Adapted Communities:  
Collaborating efforts to be good neighbors. Open house for the public. 12 August 2014, Wilson,  
Wyoming. 45 people attended including local volunteer fire department chief and members,  
local homeowners, and many others.
- Morgan, P.** 2014. Invited. Socio-economic, political and ecological impacts of large wildland fires.  
Panel with Dan Bailey, Penny Morgan, and Matthew Thompson. Invited presentation. Large  
Wildland Fires: Social, Political & Ecological Effects, University of Montana, Missoula, USA.  
May 19-23, 2014.
- Morgan, P.** 2014. Invited. Fire and climate change. Boise Public Library, Boise, ID, April 10, 2014.
- Birch, Donovan S.,** Penelope Morgan, Crystal A. Kolden, John T. Abatzoglou, Gregory K. Dillon,  
Andrew T. Hudak, and Alistair M.S. Smith. 2014. Daily fire weather and environmental factors  
influencing burn severity for 42 forest fires of central Idaho and western Montana, 2005-2011.  
Poster presentation, Large Wildland Fires: Social, Political & Ecological Effects, University of  
Montana, Missoula, USA. May 19-23, 2014.
- Birch, Donovan S.,** Penelope Morgan, Crystal A. Kolden, John T. Abatzoglou, Gregory K. Dillon,  
Andrew T. Hudak, and Alistair M.S. Smith. 2014. Daily fire weather and environmental factors  
influencing burn severity for 42 forest fires of central Idaho and western Montana, 2005-2011.  
Poster Video presentation for Large Wildland Fires: Social, Political & Ecological Effects,  
University of Montana, Missoula, USA. May 19-23, 2014. Available online:  
[https://www.dropbox.com/s/y3799dsgubsmz8t/AFE\\_Movie\\_Birch.mp4](https://www.dropbox.com/s/y3799dsgubsmz8t/AFE_Movie_Birch.mp4).
- Stevens-Rumann CS,** Morgan P, Hoffman C. 2014. Interacting disturbances in mixed-conifer forests  
of the US: effect of bark beetles and wildfires on forest trajectories. IUFRO, October 2014, Salt  
Lake City, UT.
- Stevens-Rumann CS,** Morgan P, Hoffman C. 2014. Forest recovery and trajectory in dry mixed  
conifer forests following bark beetle outbreaks and wildfires. Large Wildland Fires: Social,  
Political & Ecological Effects, University of Montana, Missoula, USA.
- Prichard S, **Stevens-Rumann CS,** Gray R. 2014. When wildfires become fuel treatments: examples of  
the interactions of past wildfires and subsequent wildfires. Large Wildland Fires: Social,  
Political & Ecological Effects, University of Montana, Missoula, USA.

- Kemp, K.B.,** J.J. Blades, P.Z. Klos, T.E. Hall, J.E. Force, & P. Morgan. Overcoming adaptation barriers surround climate change in U.S. federal land management agencies. Oral Presentation at the International Union of Forest Research Organizations World Congress; Salt Lake City, UT.
- Kemp, K.B.,** P.E. Higuera, and P. Morgan. (2014, August). Post-fire tree recruitment in the U.S. Northern Rockies: The influence of seed source proximity and environmental conditions. Oral Presentation at the Ecological Society of America Annual Meeting; Sacramento, CA.
- Kemp, K.B.,** P.E. Higuera, and P. Morgan. (2014, May). Post-fire tree recruitment in the U.S. Northern Rockies: The influence of seed source proximity and patch size. Invited Oral Presentation at the International Association of Wildland Fire and Association for Fire Ecology Large Wildland Fires: Social, Political & Ecological Effects, University of Montana, Missoula, USA.
- Birch, Donovan S.,** Penelope Morgan, Crystal A. Kolden, John T. Abatzoglou, Gregory K. Dillon, Andrew T. Hudak, and Alistair M.S. Smith. 2013. Daily fire weather and environmental factors influencing burn severity for 42 forest fires of central Idaho and western Montana, 2005-2011. Poster presentation, American Geophysical Union, December, 2013.
- Wells, Ashley A.,** Penelope Morgan, Alistair M.S. Smith, Andrew T. Hudak, Jeffrey A. Hicke. 2014. Burn severity and vegetation response in the Selway-Bitterroot Wilderness Area, 1900-2007. Poster presented at Large Wildland Fires: Social, Political & Ecological Effects. University of Montana, Missoula, USA. May 19-23, 2014.
- Birch, Donovan S.,** Penelope Morgan, Alistair M.S. Smith Andrew T. Hudak Crystal A. Kolden, Gregory K. Dillon. 2012. Burn severity and daily areas burned on three large, multiday wildfires across central Idaho and western Montana, 2005 to 2007. Poster presentation, Society of American Foresters, National Convention, October 2012.
- Wells, Ashley A.,** Penelope Morgan, Alistair M.S. Smith, Andrew T. Hudak, Jeffrey A. Hicke. 2013. Burn severity and vegetation response in the Selway-Bitterroot Wilderness Area, 1900-2007. Poster presentation, American Geophysical Union, December, 2013.
- Wells, Ashley A.,** Penelope Morgan, Alistair M.S. Smith, Andrew T. Hudak, Jeffrey A. Hicke. 2012. Burn severity and vegetation response in the Selway-Bitterroot Wilderness Area, 1900-2007. Poster presentation, Society of American Foresters, National Convention, October 2012. Award Outstanding Student Poster
- Wells, Ashley A.,** Penelope Morgan, Alistair M.S. Smith, Andrew T. Hudak, Jeffrey A. Hicke. 2012. Burn severity and vegetation response in the Selway-Bitterroot Wilderness Area, 1900-2007. Poster presentation, Association for Fire Ecology, 5th International Fire Ecology and Management Congress: Uniting Research, Education, and Management, December 3-7, 2012. (*Award Outstanding Student Poster*)
- Higuera, P. E.,** J. T. Abatzoglou, J. S. Littell, and P. Morgan. January 2013. The changing nature of fire-climate relationships in the U.S. Northern Rockies, 1902-2008. Ecological Society of America Annual Meeting, Minneapolis, MN, August 2013
- Higuera, P. E.,** J. T. Abatzoglou, J. S. Littell, and P. Morgan. January 2013. The changing nature of fire-climate relationships in the U.S. Northern Rockies, 1902-2008. Page 48 in VII Southern Connection Congress, Dunedin, New Zealand. January 2013.
- Birch, D.S.,** P. Morgan, A.M.S. Smith, A.T. Hudak, C.A. Kolden, and G.K. Dillon. 2012. Burn severity and daily areas burned on three large, multiday wildfires across central Idaho and western Montana, 2005 to 2007. Society of American Foresters National Meeting, Spokane,

WA. October 2012.

- Dillon, G.K.,** J. M. Herynk, Z.A. Holden, P. Morgan, R.B.Silverstein. 2012. Potential for high severity fire: a new 30m raster dataset now available for the western United States. Poster, International Fire Ecology Congress, Association for Fire Ecology, Portland, OR, Dec. 2012.
- Kemp, K.B.,** Young, A.M., Higuera, P.E., Abatzoglou, J.T., Morgan, P. 2012. Quantifying climate-fire relationships in forest ecosystems of the U.S. Northern Rockies, 1902-2008. Ecological Society of America, Portland, OR.
- Morgan, P.,** M. Moy, C.A. Droske, L.B. Lentile, S.A. Lewis, P.R. Robichaud, A.T. Hudak, and E. Berryman. 2012. Plant response to postfire mulch and seeding treatments one to six years after the 2005 School Fire. International Fire Ecology Congress, Association for Fire Ecology, Portland, OR, Dec. 2012.
- Hudak, A.T.,** P. Morgan, and B. Austin. 2012. Field and remote assessment of fuel treatment effectiveness at the 2007 Egley Complex in central Oregon. International Fire Ecology Congress, Association for Fire Ecology, Portland, OR, Dec. 2012.
- Morgan, P. and C. Hardy.** 2012. Defining fire severity, hazard, and risk. Invited presentation for special session: Looking back for a clear view of the future: 1999 to 2012. International Fire Ecology Congress, Association for Fire Ecology, Portland, OR, Dec. 2012.
- Morgan, P. 2012.** Keynote presentations for four “Climate Change in the Northern Rockies” (<http://projweb.cals.uidaho.edu/northernrockies/workshops/>) interactive workshops: Grangeville, ID Dec 7; Missoula, MT Dec 9; McCall, ID Dec 13; and Boise, ID Dec 15.
- Morgan, P., T. Jain, and C. Stevens- Rumann.** 2012. Fire, vegetation and resilient, functioning forests of the past and future. Increasing the Pace and Scale of Forest Restoration, Northwest Fire Learning Network Collaborative Forestry Workshop, Nov. 28-30, 2012, Bend, OR.
- Morgan, P.** 2012. Invited. Understanding mixed severity fire regimes for forest restoration. Idaho Forest Restoration Partnership, Sept. 20, 2012, Sandpoint, ID.
- Morgan, P.** 2012. Invited. Understanding mixed severity fire regimes for forest restoration Clearwater Basin Collaborative Wildlife Committee, Sept. 14, 2012, Lewiston, ID.
- Ramsey, R.K.,** K.B. Kemp, P. Morgan, P. Higuera. 2012. Post-fire microsite selection of *Pseudotsuga menziesii* seedlings as influenced by burn severity, aspect, and elevation. Poster, International Fire Ecology Congress, Association for Fire Ecology, Portland, OR, Dec. 2012.
- Hoffman, C.M.,** Mell, W., Sieg, C., Linn, R., Morgan, P., and Parsons, R. 2012. Investigating bark beetle mortality on subsequent fire behavior using coupled fire/vegetation/atmosphere simulations. Department of Geography, University of Colorado Boulder. October 25, Boulder, CO. (Invited)
- Hoffman, C.M.,** Mell, W., Sieg, C., Linn, R., Morgan, P., and Parsons, R. 2012. Examining mountain pine beetle impacts on fire behavior using coupled fire/vegetation/atmosphere modeling approaches. 6th Center for Multiscale Modeling of Atmospheric Processes Student Colloquium. July 31 – Aug. 3, Fort Collins, CO. (Invited)
- Hoffman, C.M.,** Mell, W., Sieg, C., Linn, R., Morgan, P., and Parsons, R. 2012. Mountain pine beetle outbreak effects on fire behavior: lessons learned from the use of coupled fire/vegetation/atmosphere simulations. The North Fork Weed Coop Land Stewardship Workshop. July 14, Red Feather lakes, CO. (Invited)

- Hoffman, C.M.**, Mell, W., Sieg, C., Linn, R., Morgan, P., and Parsons, R. 2012. Quantification of mountain pine beetle outbreak effects on fire behavior using coupled fire/vegetation/atmosphere simulations. Department of Forest and Rangeland Stewardship departmental seminar, Warner College of Natural Resources, Colorado State University. February 7, Fort Collins, CO. (Invited)
- Wells, A.A.**, P. Morgan, A.M.S. Smith, A.T. Hudak, J.A. Hicke. Burn severity and vegetation response in the Selway-Bitterroot Wilderness Area, 1900-2007. International Fire Ecology Congress, Association for Fire Ecology, Portland, OR, Dec. 2012. (1st place award for student posters)
- Wells, A.A.**, P. Morgan, A.M.S. Smith, A.T. Hudak, J.A. Hicke. Burn severity and vegetation response in the Selway-Bitterroot Wilderness Area, 1900-2007. Society of American Foresters National Meeting, Spokane, WA. October 2012. (3<sup>rd</sup> place award for student posters)
- Morgan, P.** 2011. Preparing Wildland Fire Professionals for a Changing Future. Association for Fire Ecology, November 2012, Invited plenary presentation, Snowbird, UT.
- Droske, C.**, P. Morgan, S.A. Lewis, L.B. Lentile, P.R. Robichaud, A.T. Hudak, A. Davis, and C. Williams. Tree Seedling Density and Height Growth Following Post-fire Salvage Logging and Grass Seeding in Mixed-Conifer Stands on the 2005 School Fire, Washington, USA. October 2011, Society of American Foresters, Annual Meeting, Hawaii.
- Droske, C.**, P. Morgan, S.A. Lewis, L.B. Lentile, P.R. Robichaud, A.T. Hudak, A. Davis, and C. Williams. Tree Seedling Density and Height Growth Following Post-fire Salvage Logging and Grass Seeding in Mixed-Conifer Stands on the 2005 School Fire, Washington, USA. Association for Fire Ecology, November 2012, Snowbird, UT.
- Morgan, P.**, 2011. Understanding and Applying Restoration Science. January 20, 2011, Idaho Forest Restoration Partnership. Boise, Id. *Invited Presentation*.
- Klos, P. Z.**, K. B. Kemp, J. J. Blades, T. E. Link, P. Morgan, P. E. Higuera, and T. E. Hall. 2010. Assessing the effects of changing climate on the transformation and vulnerability of coupled hydrologic, ecologic, and human systems using an interdisciplinary spatiotemporal methodology. Fall Meeting, American Geophysical Union, San Francisco, CA.
- Hudak, Andrew T.**, Theresa B. Jain, Penelope Morgan, and Jess T. Clark. 2010. Remote sensing of WUI fuel treatment effectiveness following the 2007 wildfires in central Idaho. 3<sup>rd</sup> Fire Behavior and Fuels Conference, October 25-29, 2010, Spokane, Washington, USA, International Association of Wildland Fire.
- Hoffman, C.**, P. Morgan, R. Parsons. 2010. Crown fire hazard in lodgepole pine forests affected by bark beetles. 3<sup>rd</sup> Fire Behavior and Fuels Conference, October 25-29, 2010, Spokane, Washington, USA, International Association of Wildland Fire. International Association of Wildland Fire.
- Higuera, P.**, J. Abatzoglou, and P. Morgan. 2010 3<sup>rd</sup> Fire Behavior and Fuels Conference, October 25-29, 2010, Spokane, Washington, USA, International Association of Wildland Fire
- Morgan, P.**, Phil Higuera, Jeff Hicke, John Abatzoglou, Jeremy Littell. 2010. Fire and bark beetle disturbance: where, why, when and so what? Dec. 3, 2010. University of Idaho. Regional Adaptations to Climate Change: Western Conifers. Workshop for Stakeholders.
- Adams, T., H. Heward, P. Morgan.** 2010. Do fires burn more severely when large areas burn rapidly? 3<sup>rd</sup> Fire Behavior and Fuels Conference, October 25-29, 2010, Spokane, Washington, USA,

International Association of Wildland Fire.

- Caren S. Goldberg**, Amy Pocewicz, Max Nielsen-Pincus, Lisette P. Waits, Penelope Morgan, Jo Ellen Force, Lee Vierling. 2010. Predicting ecological impacts of alternative policy scenarios on a rural landscape in northern Idaho, USA. *Conservation Biology*
- Morgan, P.** 2009. University Fire Science: A look to the future. Invited Presentation. JFSP 10<sup>th</sup> Anniversary Symposium, Convened during 4<sup>th</sup> International Fire Ecology Congress, 1 December 2009. Savannah, Georgia.
- Hoffman, C.**, P. Morgan, W. Mell, R. Parsons, S. Cook, and E. Strand. 2009. Numerical simulation of crown fire hazard following bark beetle-caused mortality in lodgepole pine forests. Poster. 4<sup>th</sup> International Fire Ecology Congress, 1 December 2009. Savannah, Georgia.
- Dillon, Gregory K.** Z.A. Holden, P. Morgan, and B. Keane. 2009. A Fire Severity Mapping System (FSMS) for Real-time Fire Management Applications and Long Term Planning: Developing a Map of the Landscape Potential for Severe Fire in the Western United States. Poster. 4<sup>th</sup> International Fire Ecology Congress, 1 December 2009. Savannah, Georgia.
- Dillon, Gregory K.**, P. Morgan, and Z.A. Holden. 2009. Influences of Climate and Topography on Fire Severity in the Southwestern United States. Poster. 4<sup>th</sup> International Fire Ecology Congress, 1 December 2009. Savannah, Georgia.
- Moy, Marshall M.**, M. Holthuijzen, P. Morgan, L.B. Lentile, S. A. Lewis, P. Robichaud, and R. Robichaud. 2009. Impacts of pre-fire site conditions, burn severity and post-fire treatments on plant regeneration following the 2005 School Fire. Poster. 4<sup>th</sup> International Fire Ecology Congress, 1 December 2009. Savannah, Georgia.
- Holden, Z.**, C. Luce, M. Crimmins, P. Morgan and E. Heyerdahl. 2008. 22-Year Climate and Topographic Controls on Burn Severity in the Pacific Northwest: Preliminary Findings. Invited Presentation. The '88 Fires: Yellowstone and Beyond. Sept 22-27, 2008, Jackson Hole, Wyoming.
- Morgan, P.**, E.K. Heyerdahl, and J.P. Riser, II. 2008. Fire and climate in Northern Rocky Mountain forests: past, present and future. Poster. The '88 Fires: Yellowstone and Beyond. Sept 22-27, 2008, Jackson Hole, Wyoming.
- Hudak, Andrew T.**, Penny Morgan, Sarah A. Lewis, and Pete Robichaud. 2008. Evaluating the effectiveness of fuel treatments for mitigating severe wildfire effects. Poster. The '88 Fires: Yellowstone and Beyond. Sept 22-27, 2008, Jackson Hole, Wyoming.
- Luce, C.**, Z. Holden, M. Crimmins, E. Heyerdahl, P. Morgan and A. Wood. 2008. Burn Severity-Climate Relationships in the Pacific Northwest USA (1984-2005). Poster presented at the American Geophysical Union annual meetings, Dec. 2008, San Francisco, CA.
- Kasiske, E., C. Hardy, and P. Morgan.** 2007. National Press Conference at American Geophysical Union, "Climate impacts on wildfire intensity, 10 December 2007. San Francisco, CA.
- Morgan, P., E.K. Heyerdahl and Z. Holden. 2007. Climate drivers of fire extent and severity. Invited. American Geophysical Union. 10 December 2007. San Francisco, CA.
- Morgan, P., E.K. Heyerdahl, and **J.P. Riser, II.** 2007. Fire and climate in Northern Rocky Mountain forests: past, present and future. Invited. Idaho Environmental Summit. 10 December 2007. Boise, ID.
- Morgan, P.** 2007. Post-fire vegetation response on the 2005 School Fire, Pomeroy, WA. Idaho Native

Plant Society, White Pine Chapter, ~50 people, 25 January 2007.

- Goldberg, C.S., A. Pocewicz, M. Nielsen-Pincus, **L.P. Waits**, P. Morgan, J.E. Force. 2007. Ecological implications of landscape change predicted using models of landowner decision-making. Conservation Biology Annual Meetings.
- Morgan, P.**, E.K. Heyerdahl, and J.P. Riser, II. 2006. Fire and climate in northern Rocky Mountain forests: Past, present and future. Idaho Environmental Summit, Boise, ID. Dec. 6, 2006
- Heyerdahl, E.K., **P. Morgan**, Carly Gibson, and James P. Riser II. Climate drivers of regional fire years in the US Northern Rockies: past and present. Abstract accepted for presentation at the 3rd International Fire Ecology and Management Congress. San Diego, CA (11/13-17/06).
- Gibson, C.**, L. Shapiro, P. Morgan, E. Heyerdahl, and C. Miller. 2006. Twentieth century northern Rocky Mountain fire records and their relation to fire scars on trees. Abstract accepted for presentation at the 3rd International Fire Ecology and Management Congress. San Diego, CA 13-17 November 2006.
- Miller, C.** Is Wildland Fire Use enough for wilderness, and if not, then what? Abstract accepted for presentation at the 3rd International Fire Ecology and Management Congress. San Diego, CA 13-17 November 2006.
- Gibson, C.E.**, L. Shapiro, P. Morgan, E. Heyerdahl and C. Miller. 2006. Twentieth century northern Rocky Mountain fire records and their relation to fire scars on trees. International Fire Ecology and Management Congress, 13-17 November, 2006. San Diego, CA. Poster.
- Heyerdahl, E.K.**, P. Morgan, C.E. Gibson, and J.P. Riser II. Multi-season climate synchronized widespread forest fires over four centuries (1630-2003), Northern Rocky Mountains USA. International Fire Ecology and Management Congress, 13-17 November, 2006. San Diego, CA. Poster.
- Holden, Z.**, P. Morgan, and M.G. Rollins. 2006. Twenty-Year Patterns of Burn Severity in the Gila National Forest, New Mexico. International Fire Ecology and Management Congress, 13-17 November, 2006. San Diego, CA.
- Lentile, L.B.**, P. Morgan, M.J. Bobbitt, A.T. Hudak, S.A. Lewis, P.R. Robichaud. 2006. Fire effects and vegetation recovery following eight large western wildfires. International Fire Ecology and Management Congress, 13-17 November, 2006. San Diego, CA.
- Morgan, P.**, Z.A. Holden, and M.G. Rollins. 2006. Thirty years of wildland fire use: Evaluating the effects of multiple fires on ponderosa pine stand structure in two southwestern wilderness areas, USA. International Fire Ecology and Management Congress, 13-17 November, 2006. San Diego, CA.
- Morgan, P.** and E.K. Heyerdahl. 2006. Fire and climate in the Northern Rockies. 2nd Annual Inland Northwest Wildland Urban Interface Conference, Spokane, WA. October 19, 2006.
- Lentile, L., S. Lewis, A. Hudak, **P. Morgan**, P. Robichaud, C. Stone, and K. Ryan. 2006. Consequences and Spatial Variability of Burn Severity for Four 2003 Montana Wildfires. JFSP Governing Board meeting. Missoula Fire Sciences Lab, Missoula, MT, Sept 11-15, 2006. Poster.
- Heyerdahl, E.K., **P. Morgan**, C.E. Gibson, and J.P. Riser II. Multi-season climate synchronized widespread forest fires over four centuries (1630-2003), Northern Rocky Mountains USA. JFSP Governing Board meeting. Missoula Fire Sciences Lab, Missoula, MT, Sept 11-15, 2006. Poster.

- Lentile, L., S. Lewis, A. Hudak, P. Morgan, P. Robichaud, M. Bobbitt, K. Ryan.** The value of rapid response research to incident management teams. Northern Rockies Geographic Area Incident Management Team Meeting. Missoula, MT. April 10-12, 2006.
- Morgan, P., C.E. Gibson, L. Shapiro and C. Miller.** 2006. Fire and climate in the Northern Rockies: research findings and management implications. Four related presentations on different aspects of our research project. Presented to Boise National Forest Staff, April, 2006, Boise, ID.
- Morgan, P., E.K. Heyerdahl, C. Miller, and J.P. Riser, II. Multiple presentations to local fire and natural resources managers focused on fire-climate research and implications for management 2005-2006, including in Boise, Coeur d'Alene and Spokane
- Morgan, P., Heyerdahl, E.K., Miller, C.M., **Gibson, C.E., Shapiro, L.B.,** and Riser, J.P. 2006. Climate drivers of fire in the northern Rocky Mountains: Past, present, and future. First Fire Behavior and Fuels Conference, Fuels Management – How to Measure Success [online], 27-30 March, Portland, Oreg. Available from: <http://www.iawfonline.org/fuels/program.shtml> [cited 11 April 2006].
- Pocewicz, A.** and P. Morgan. 2006. Landscape effects upon butterfly communities in a diverse agricultural and forested region of northern Idaho. US Association of the International Association of Landscape Ecology. April 2006.
- Kavanagh, K., A. Koyama, K. Stephan, and P. Morgan.** 2006. Carbon and nitrogen dynamics in ponderosa pine and Douglas-fire forests impacted by prescribed and wild fire. April 2006, Ecofuego Conference, Esquel, Chubut, Argentina.
- Morgan, P., E.K. Heyerdahl, C.M. Miller, **C.E. Gibson, L.B. Shapiro,** and J.P. Riser II. 2006. Climate drivers of fire in the northern Rocky Mountains: Past, present, and future. First Fire Behavior and Fuels Conference, Fuels Management – How to Measure Success. March 27-30, 2006, Portland, Oregon. Poster.
- Morgan, P., **A. Hudak,** and K. Ryan. 2005. Assessing the Causes, Consequences and Spatial Variability of Burn Severity: A Rapid Response Proposal. JFSP Principal Investigator Workshop, Nov. 1-3, 2005. San Diego, CA.
- Morgan, P., **G. Gollberg,** R. Keane, W. Cook, L. Queen, and M. Twery. 2005. An expert system and new web interface for tools on the Fire Research and Management Exchange System. JFSP Principal Investigator Workshop, Nov. 1-3, 2005. San Diego, CA.
- Fowler, C. T., W. Hubbard, D. Kennard, M. Rauscher, B. Jordin, J. Gaines, P. Morgan, G. Gollberg, R. Masters, A. Bruce, K. Hiers, D. Brownlie. 2005. Delivering Science Information and Technology Through the Encyclopedia of Southern Fire Science and the Southern Fire Portal. In: Technology and tradition at the desktop: effective use of global forest information resources, XXII IUFRO World Congress, August 2005.
- Pocewicz, A.** and P. Morgan. 2005. Effects of forest edges and adjacent land use on nitrogen dynamics in northern Idaho forest fragments. Ecological Society of America Annual Meeting, August 7-12, 2005, Montreal.
- Heyerdahl, E.K.** and J.P. Riser II. 2005. "Climate drivers of historical surface fires in the Northern Rocky Mountains, USA: Preliminary results." Fire history and climate synthesis in western North America. Flagstaff, Arizona 1-5 May 2005.
- Pocewicz, A.,** P. Morgan, and K. Kavanagh. 2004. Foliar nitrogen along forest edge to interior transects: evidence of inputs from agriculture? Poster. Annual Meeting of the Ecological Society

of America. August 5, 2004. Portland, Oregon.

**Lentile, L.,** S. Lewis, P. Morgan, P. Robichaud, A. Hudak, C. Stone, K. Ryan, E. Mathews, S. Hood, and H. Smith. 2004. Rapid Response Research: Lessons from Assessing Burn Severity on Active Wildfires. Mixed-Severity Fire Regimes: Ecology and Management. 2004 Association for Fire Ecology Conference, Spokane, WA.

**Lentile, L.,** S. Lewis, A. Hudak, P. Morgan, P. Robichaud, C. Stone, and K. Ryan. 2004. Consequences and Spatial Variability of Burn Severity for Four 2003 Montana Wildfires. Mixed-Severity Fire Regimes: Ecology and Management. 2004 Association for Fire Ecology Conference, Spokane, WA.

**Lentile, L.,** S. Lewis, P. Morgan, P. Robichaud, A. Hudak, and M. Bobbitt. 2005. Fire effects and recovery following mixed-severity fire on the Colorado Front Range and the South Dakota Black Hills. Annual Meeting of the Association of American Geographers, Denver, CO.

Morgan, P. 2004. Fire ecology. Forest Health Symposium to celebrate 100<sup>th</sup> anniversary of the US Forest Service. November 18, 2004, Boise, Idaho. Invited.

Zack, A.C. and P. Morgan. 2004. Fire History on the Idaho Panhandle National Forest. Symposium on Ecology and Management of Mixed Severity Fire Regimes, November 17-19, 2004, Spokane, Washington. Poster.

Lentile, L., S. Lewis, A. Hudak, P. Morgan, P. Robichaud, C. Stone, and K. Ryan. 2004. Consequences and spatial variability of burn severity for four Montana wildfires. . Symposium on Ecology and Management of Mixed Severity Fire Regimes, November 17-19, 2004, Spokane, Washington. Poster.

Lentile, L., S. Lewis, P. Morgan, P. Robichaud, A. Hudak, C. Stone, E. Mathews, S. Hood, and H. Smith. 2004. Rapid Response Research: Lessons Learned from Assessing Burn Severity on Active Wildfires. Symposium on Ecology and Management of Mixed Severity Fire Regimes, November 17-19, 2004, Spokane, Washington. Poster.

Falkowski, M.J., P. Gessler, P. Morgan, A.M.S. Smith, and A.T. Hudak. 2004. Evaluating Aster satellite imagery and gradient modeling for mapping and characterizing wildland fire fuels. ASPRS Annual Meeting, April 2004.

Hudak, A., P. Robichaud, T. Jain, P. Morgan, C. Stone, and J. Clark. 2004. The relationship of field burn severity measures to satellite-derived burned area reflectance classification (BARC) maps. ASPRS Annual Meeting, April 2004.

Holden, Z, M.G. Rollins, and P. Morgan. 2003. Historical Wildland Fire Use: Ponderosa pine forest structure after a 25-year experiment in restoring fire regimes in southwestern landscape. Presented at the 3<sup>rd</sup> International Fire Ecology Conference, Orlando, Florida, November 2003.

Gollberg, G. and P. Morgan. FRAMES: Fire Research Management and Exchange System, presented at the 3<sup>rd</sup> International Fire Ecology Conference, Orlando, Florida, November 2003.

Hudak, A., P. Robichaud, T. Jain, P. Morgan, C. Stone, and J. Clark. 2004. The relationship of field burn severity measures to satellite-derived burned area reflectance classification (BARC) maps. US Forest Service Remote Sensing Meeting, April 2004, Salt Lake City, Utah.

Morgan, P. 2001. Fire, birds, bears and trees: Conservation and restoration of a high mountain resource. Sage Notes. Idaho Native Plant Society Newsletter.

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- Morgan, P., S.C. Bunting, A.E. Black, T. Merrill, and S. Barret. 1996. Fire regimes in the Interior Columbia River Basin: Past and Present. Final Report for RJVA-INT-94913: Coarse-scale classification and mapping of disturbance regimes in the Columbia River Basin. Submitted to Intermountain Fire Sciences Laboratory, Intermountain Research Station, Missoula, Montana.
- Carree, Y., and P. Morgan. Prescribed burning. Woodland Notes, University of Idaho Forest Extension. 2 pp.
- Morgan, P. 1990. Agroforestry in The Gambia. Short-term technical assistance report. The Gambia Agricultural Research and Diversification Project, AID Project 635-0219. 17 pp.
- Photographs appeared in Fazio, J.F. 1990. Lowly whitebark helps mighty grizzly. *Arbor Day*, November/December 1990:6; and Fazio, J.F. 1990. Tree rings: Nature's chronicle. *Arbor Day*, January/February 1990:5-6.
- Morgan, P., and S.C. Bunting. 1990. Fire ecology of whitebark pine forests in the Greater Yellowstone Area. Final report. USDA Forest Service, Intermountain Research Station, Missoula, Montana. Submitted September 1990.
- Morgan, P., and S. Bunting. 1989. Whitebark Pine: Fire Ecology and Management. *Women in Natural Resources* 11(1):52.
- Morgan, P., and S. Bunting. 1989. Survival by Fire: Whitebark Pine. *Focus* 14:20. University of Idaho Forest, Wildlife, and Range Experiment Station, Moscow, Idaho.
- Morgan, P. 1988. Continuing Education and Outreach. *Focus on Renewable Natural Resources* 13:20. Idaho Forest, Wildlife, and Range Experiment Station, Moscow, Idaho.
- Morgan, P. 1984. Modelling Shrub Succession Following Clearcutting and Burning. Ph.D. Dissertation. University of Idaho. 146 pp.
- Lawton, P. Morgan. 1979. An investigation into the environmental relationships of selected forest habitat types in northern Utah. M.S. Thesis. Utah State University. 101 pp.

**Professional Meeting Papers:**

- Teske, C., P. Morgan, M.G. Rollins, and P. Green. 2001. Accuracy assessment of fire atlas and photo interpreted data used to evaluate 20<sup>th</sup>-century fire rotations in the Upper Selway River Basin, Idaho. 22<sup>nd</sup> Tall Timbers Fire Ecology Conference, October 2001, Kananaskis, Alberta, Canada. Tall Timbers Research Station,
- Allen, C.D., D. Falk, M. Hoffman, J. Klingel, P. Morgan, M. Savage, T. Schulke, P.B. Stacey, K. Suckling, and T.W. Swetnam. 2000. Ecological restoration of southwestern ponderosa pine ecosystems: a broad framework. Steps toward stewardship, ponderosa pine ecosystem restoration and conservation conference, April 25-27, Flagstaff, Arizona.
- Allen, C.D., D. Falk, M. Hoffman, J. Klingel, P. Morgan, M. Savage, T. Schulke, P.B. Stacey, K. Suckling, and T.W. Swetnam. 2000. Ecological restoration of southwestern ponderosa pine ecosystems: a broad framework. Fire Conference 2000: The first national congress on fire ecology, prevention and management. November 27-December 1, 2000, San Diego, California.
- Rollins, M., T. Swetnam, and P. Morgan. 2000. Twentieth-century fire patterns in two large Rocky Mountain Wilderness areas. Fire Conference 2000: The first national congress on fire ecology, prevention and management. November 27-December 1, 2000, San Diego, California.
- Morgan, P. 2000. Historical factors of fire in the Inland Northwest: What's changed over the past century? Fire effects symposium. October 12, 2000, University of Idaho.
- Rollins, M., T.W. Swetnam, and P. Morgan. 2000. Twentieth century fire patterns in the Gila/Aldo Leopold Wilderness Complex New Mexico and the Selway-Bitterroot Wilderness area in Idaho/Montana. Proceedings. Crossing the Millennium: Integrating spatial technologies and ecological principles for a new age of fire management. Joint Fire Sciences Conference and Workshop. June 15-17, 1999, Boise, Idaho.
- Rollins, M., T.W. Swetnam, and P. Morgan. 2000. Twentieth-century fire patterns in the Selway-Bitterroot Wilderness area, Idaho/Montana and the Gila/Aldo Leopold Wilderness Complex, New Mexico. Wilderness Science in Time of Change. May 1999, Missoula, Montana.
- Chrisman, A., M. Grant, K.D. Harkins, P. Morgan, L.F. Neuenschwander, A. Zack, C. Jacobson, and N. Sampson. 1999. The Idaho Panhandle National Forests Wildfire Hazard-risk assessment. Joint Fire Sciences Conference. Proceedings. Crossing the Millennium: Integrating spatial technologies and ecological principles for a new age of fire management. Joint Fire Sciences Symposium and Workshop. June 15-17, 1999, Boise, Idaho.
- Flanagan, P., P. Morgan, and R. Everett. 1999. Snag Recruitment in Subalpine Forests of the North Cascades, Washington State. Presented in the Dead Wood symposium. Reno, Nevada, November 2-4, 1999.
- Morgan, P., C. Hardy, T.W. Swetnam, M.G. Rollins and D.G. Long. 1999. Mapping Fire Regimes Across Time and Space: Understanding coarse and fine-scale patterns. Invited synthesis paper for an international symposium, Proceedings. Crossing the Millennium: Integrating spatial technologies and ecological principles for a new age of fire management. Joint Fire Sciences Symposium and Workshop. June 15-17, 1999, Boise, Idaho.
- Morgan, P. 1999. Fire risk assessment on the Idaho Panhandle National Forest: Managers and scientists working together. Presented as part of the symposium, "Barriers, Opportunities, Strategies and Models for the Application of Landscape Ecology in Landscape Planning and Design" organized by Jack Ahern, 5<sup>th</sup> World Congress of the International Association for Landscape Ecology, July 1999, Snowmass, Colorado.

- Morgan, P. 1999. Mapping fire regimes across spatial scales in the Interior Columbia River Basin. University of Arizona, Seminar jointly sponsored by the Laboratory of Tree-Ring Research, the Department of Geography, and the Earth Systems Institute. March 13, 1999.
- Morgan, P. 1999. Back to the future: The value of history in understanding and managing dynamic landscapes. Views from the Ridge: Considerations for planning at the landscape level. November 2-4, Vancouver, Washington.
- Morgan, P., and M.P. Murray. 1998. Landscape ecology of whitebark pine. Restoring Whitebark Pine Ecosystems, Missoula, Montana, September 9-12, 1998.
- Machlis, G.E., and P. Morgan. 1998. The collision: Ecosystem management and the human ecology of the American West. Borah Symposium, University of Idaho, Moscow, Idaho, April 16, 1998.
- Morgan, P. 1998. Fire ecology and ecosystem management. Clearwater National Forest Technical Resource Meeting, Orofino, Idaho, March 31, 1998.
- Morgan, P. 1998. Fire effects on plants. Fire Effects Training Course, Northern Training Center, USDA Forest Service, Missoula, Montana, March 23-24, 1998.
- Morgan, P. 1998. Landscape and watershed assessments: a critique. International Association of Landscape Ecology, U.S. Chapter, Lansing, Michigan, March 18, 1998.
- Morgan, P. 1998. Landscape ecology, disturbance, and historical range of variability. Continuing Education in Ecosystem Management, Northern Arizona University, Flagstaff, Arizona, February 7, 1998.
- Keane, R.E., and P. Morgan. 1997. The temporal pattern of vegetation communities and ecosystem processes on simulated landscapes of Glacier National Park, USA. Annual Meeting, International Association of Landscape Ecology, Durham, North Carolina, March 1997.
- Morgan, P., P. Landres, and F.J. Swanson. 1997. Evaluating the usefulness of natural variability in managing ecological systems. Annual Meeting, Ecological Society of America, Albuquerque, New Mexico, August 1997.
- Morgan, P. 1997. GAP analysis. Instituto Superior de Agronomia, Lisbon, Portugal, February 1997. Invited presentation, 1 hour, 20 participants.
- Morgan, P. 1997. Landscape dynamics. Instituto Superior de Agronomia, Lisbon, Portugal, February 1997. Invited presentation, 2 hours, 20 participants.
- McConnell, S., P. Morgan, D. Mlincek, and K. Stoszek. 1998. Opportunities for collaboration on forests and landscapes in transition. Presented at the annual meeting of the International Association of Landscape Ecology, Toulouse, France, June 1996.
- Behrens, M.A., and P. Morgan. 1996. Modeling the ecological effects of timber harvest and fire management on bird habitat in ponderosa pine/Douglas-fir forests. Conference on Ecological Effects of Fire on Threatened and Endangered Species, sponsored by International Association of Wildland Fire, Coeur d'Alene, Idaho, March 1996.
- Morgan, P. 1996. Past and present fire regimes in the Interior Columbia River Basin. Interior West Fire Council, Spokane, Washington, March 1996.
- Morgan, P. 1996. Dynamics of northern Idaho forests. Keynote Address, Symposium on Dynamics of Northern Idaho Forests, Coeur d'Alene, Idaho, February 2, 1996.

- Morgan, P., S. Bunting, A. Black, T. Merrill, S. Barrett, G. Wright, and D. Long. 1994. Historical fire regimes in the Interior Columbia River Basin. Interior West Fire Council, Coeur d'Alene, Idaho, November 2-5, 1994.
- Morgan, P., and R.K. Keane. 1994. FIREBGC: An ecosystem process model for whitebark pine (*Pinus albicaulis*) forests in the Bob Marshall Wilderness, USA. Landscape Ecology Symposium, Tucson, Arizona, March 25-27, 1994.
- Morgan, P. 1994. Integrated core curriculum in College of Forestry, Wildlife, and Range Sciences, University of Idaho. Education for Forest Resources. Proceedings. Syracuse, New York: College of Environmental Science and Forestry, SUNY, March 1994.
- Morgan, P. 1993. Fire effects and historical range of variability. Forest Health in the Inland West: A Scientific Workshop, Sun Valley, Idaho, November 13-17, 1993.
- Keane, R.E., P. Morgan, and J. Menakis. 1993. Landscape evaluation of the status of whitebark pine (*Pinus albicaulis*) in the Bob Marshall Wilderness, USA. Poster presentation at the Fire in Wilderness and Park Management Symposium, Missoula, Montana, March 30-April 1, 1993.
- Keane, R.E., P. Morgan, and J. Menakis. 1993. Landscape evaluation of the status of whitebark pine (*Pinus albicaulis*) in the Bob Marshall Wilderness, USA. Poster presentation at Eighth Annual U.S. Landscape Ecology Symposium: Pattern and Process in Landscape Ecology, Oak Ridge, Tennessee, March 24-27, 1993.
- McConnell, S.P., P. Morgan, R.T. Graham, A.C. Zack, R. Carapella, D. Long, and T. Ottawa. 1993. Landscape planning for ecosystem sustainability. Interior cedar-hemlock-white pine forests. A Symposium, Spokane, Washington, March 2-4, 1993.
- Zack, A.C., and P. Morgan 1993. Early succession on hemlock habitat types in northern Idaho. Interior cedar-hemlock-white pine forests. A Symposium, Spokane, Washington, March 2-4, 1993.
- Morgan, P. 1991. GAP analysis: A proactive tool for sustaining biodiversity. 1 hour, invited. Society of American Foresters, Regional Meeting, McCall, Idaho, September 12, 1991.
- Morgan, P. 1991. Use of prescribed fire in forest management. Managing herbs and shrubs for multiple uses, 23rd Annual Pacific Northwest Range Management Short Course, Moscow, Idaho, February 12-14, 1991. Invited.
- Morgan, P., J.G. Northup, and H. Yamane. 1991. Protecting people from forest fires: Managing fuels to reduce fire hazard around developments in Grand Teton National Park. Interagency Fuels Management Conference, Portland, Oregon, January 22-24, 1991.
- Morgan, P., and S. Bunting. 1989. Fire effects in whitebark pine forests. Whitebark Pine Ecosystems: Ecology and Management of a High Mountain Resource, Bozeman, Montana, March 30, 1989.
- Morgan, P., and R. Wakimoto. 1988. Workshop summation: The art and science of fire management. Interior West Fire Council, Kananaskis Country, Canada, October 27, 1988.
- Roberts, D., and P. Morgan. 1987. Classifications and models of succession. Land Classifications Based on Vegetation: Applications for Resource Management Symposium, Moscow, Idaho, November 18, 1987.
- Morgan, P., and R.K. Steinhorst. 1986. Probabilistic models of shrub cover. Ecological Society of America, Syracuse, New York, August 16, 1986.
- Morgan, P. 1985. Managing shrub response through site preparation. Prescribed Fire in the

Intermountain West Symposium, Spokane, Washington, March 1985.

- Steinhorst, R.K., and P. Morgan. 1984. Clumping distributions for succession after fire. Biometric Society, Western North American Regional Meetings, Logan, Utah, June 19, 1984.
- Morgan, P., R.K. Steinhorst, and L.F. Neuenschwander. 1984. Statistical models of shrub succession after fire. International Society of Ecological Modeling, North American Chapter Meetings, Ft. Collins, Colorado, August 9, 1984.
- Morgan, P., and L.F. Neuenschwander. 1984. Modeling shrub succession following clearcutting and broadcast burning. Fire Effects on Wildlife Habitat Symposium, Missoula, Montana, March 21, 1984.
- Morgan, P., and L.F. Neuenschwander. 1984. Shrub response to high and low severity broadcast burns. Northwest Science, Missoula, Montana, March 22, 1984.
- Morgan, P., and L.F. Neuenschwander. 1984. Shrub succession following clearcutting and burning: Seed bank contribution and influence of burn severity. Annual Report, Northern Forest Fire Laboratory, Missoula, Montana, December 16, 1984.
- Morgan, P., and L.F. Neuenschwander. 1983. Shrub response to high and low severity broadcast burns. Poster Session, Society of American Foresters Convention, Portland, Oregon, October 16-18, 1983.
- Lawton, P. Morgan, and L.F. Neuenschwander. 1983. Seed bank contribution to early seral shrub succession following clearcutting and burning. American Association for the Advancement of Science, Logan, Utah, June 19-23, 1983.
- Lawton, P. Morgan. 1981. Modeling early seral shrub succession following clearcutting and broadcast burning. Seminar for critical review of proposed research. USDA Forest Service, Northern Forest Fire Laboratory, Missoula, Montana, 1981.
- Lawton, P. Morgan, and L.F. Neuenschwander. 1981. Modeling early seral shrub succession following clearcutting and burning. Northwest Science, Corvallis, Oregon, March 26-28, 1981.
- Lawton, P. Morgan, and J.A. Henderson. 1981. Environmental relationships of selected forest habitat types in Northern Utah. Northwest Science, Corvallis, Oregon, March 26-28, 1981.

**Grants and Contracts Awarded:**

- Morgan, P. and E. Strand. 2017. Great Basin Science Delivery through Online Courses. This project is funded as Subaward from University of Nevada Reno to University of Idaho (UNR17-29 Acct. No.:1320 153 526B) as part of \$469,086 JFSP Project 09-S-04-8 under Agreement L10AC20434 with Joint Fire Science Program, Bureau of Land Management, and University of Nevada Reno. 2 yr. September 2016-September 2018. \$38,780.
- Strand, E., P. Morgan and A. Smith. 2017. Developing Fire Professionals and Science Collaborations. USDA Forest Service Rocky Mountain Research Station Joint Venture Agreement 12-JV-11221637-136. \$262,784.
- Morgan, P., C.S. Stevens-Rumann, K.B. Kemp, and J. Blades. 2016. Post-fire tree regeneration and fuels across the Northern Rockies following large wildfires: science meta-fuels across the Northern Rockies following large wildfires: science meta-analyses, scenarios and manager workshops. Joint Fire Science Program Project 16-1-01-20. \$189,255. 3 yr, Sept. 2016 – Sept. 2019.
- Morgan, P., E. Strand, C. Stevens-Rumann, and S. Bunting. 2016. Great Basin Online. \$37,780. Joint Fire Science Program via University of Nevada Reno SubAward 17-29. September 2016-September 2018.
- Morgan, P., R.E. Keane and G. Dillon. 2014. Mapping severe fire probabilities across the contiguous United States: Extending the FIRESEV Severe Fire Potential Map to the eastern United States. USDA Forest Service Rocky Mountain Research Station Agreement JV 11221637-122. \$49,976. One year, now extended 1 yr.
- Morgan, P., E. Strand, C. Stevens-Rumann, and S. Bunting. 2014. Great Basin Science Delivery Online Class Development. Great Basin Science Delivery Project and Joint Fire Science Program. \$45,500 via Cooperative Agreement L10AC2434 with Bureau of Land Management, September 2014 to September 2015.
- Wright, V., P. Morgan, J. Riddering, D. McWethy, F.A. Heinsch, R. Everett. 2014. Northern Rockies Fire Science Network (NRFSN). Joint Fire Science Program 11-4-1-2. March 2014-2016, \$402,497.
- Hudak, A, P Morgan, BA Newingham, EK Strand. 2014. How vegetation recovery and fuel conditions in past fires influences fuels and future management in five western U.S. ecosystems. Joint Fire Science Program, 14-1-02. August 2014-Aug 2017, \$496,587
- Prichard, S, RD Ottmar, P Hessburg, R Gray, R Harrod, P Morgan, Stevens-Rumann. 2014. Evaluation of past-fire burn mosaics on subsequent wildfire behavior, severity and fire management strategies. Joint Fire Science Program, 14-1-02-03. \$323,887 August 2014-Aug 2017 (University of Idaho portion \$84,000).
- Morgan, P and C.S. Rumann. 2014. Wildfire as a tool: the ecosystem impact of repeated wildfires and how to use past wildfires in management. USDA Forest Service Pacific Northwest Research Station Agreement \$46,622. 3 yr.
- Morgan, P, AMS Smith, R Keefe. 2013. Masticated fuels and fire behavior in forests of the Interior West. Joint Fire Science Program, 13-1-05. \$456,307. Oct 2014-Sept 2017.
- Berryman, E., P. Morgan, D. Page-Dumroese, and P. Robichaud. Monitoring Soil Nutrient and Vegetation Responses to Mulch Treatments Following the High Park Fire, CO. USDA Forest Service Burned Area Emergency Response Team, Denver, CO. \$25,415. One year. August 2013-September 2014.

- Morgan, P., E. Strand, C. Stevens-Rumann, and S. Bunting. 2012. Great Basin Science Delivery Online Class Development. Great Basin Science Delivery Project and Joint Fire Science Program. \$45,642. 2 years, August 2012 to June 2014.
- Morgan, P. 2012. FOR 404: Prescribed Fire For Ecologically-Based Management. University of Idaho Service Learning Program. Spring 2012. \$750.
- Wright, V. (with co-PIs K. Lee, P. Morgan, J. Riddering, D. McWethy, and A. Leighton). 2011. Northern Rockies Fire Science Network (NRFSN). Joint Fire Science Program March 2012-2014, \$399,497 (\$205,146 to University of Idaho).
- Smith, Alistair M.S., Beth A. Newingham, Eva K. Strand, Troy Elizabeth Hall, Jeffrey A. Hicke, Penelope Morgan, Matt Carroll. 2010. Quantifying the characteristics and investigating the biogeoscientific and societal impacts of extreme wildland fires in the United States northern Rockies region. NASA Interdisciplinary Research in Earth Science. 3 yr., \$1,768,224.
- Morgan, P., E. Strand, C. Stevens-Rumann and S. C. Bunting. Great Basin Fire Online. 2010. Great Basin Science Delivery Project and Joint Fire Science Program. \$46,216. 1 year, October 2010 to October 2011.
- R.E. Keane, Z.A. Holden, P. Morgan and S. Drury. 2009. A Fire Severity Mapping System (FSMS) for real-time fire management applications and long term planning. Joint Fire Science Program \$537,876. 2009-2012.
- Morgan, P. and C. Hoffman. 2009. Modeling predicted fire behavior in response to bark beetle caused mortality. USDA Forest Service Rocky Mountain Research Station, RJVA # 09-JV-11221633-325. \$32,000. 2009-2011 (will have no-cost extension).
- Hoffman, C., C. Sieg, R. Linn, R. Parsons, and P. Morgan. 2009. Influence of bark beetle outbreaks on predicted fire behavior in Colorado lodgepole pine stands, \$400,000 4 yr, Rocky Mountain Research Station.
- Bosque-Perez, N.A., S.D. Eigenbrode, J.E. Force, L.P. Waits, J.D. Wulforst, and P. Morgan\*. 2009. IGERT: Evaluating resilience of ecological and social systems in changing landscapes: a doctoral research and education program in Idaho and Costa Rica. National Science Foundation Award No. DGE-0903479, 5 years. October 2009- September 2014. \$1,246,910 (\*only 5 PIs can be listed on NSF proposals but I am actively engaged as a PI).
- Gollberg, G., P. Morgan and A. Hudak. 2008. Planning for science and implementation on large-scale fires: pre-, during, and post-fire measurements in the field and remotely. Amendment to USDA Forest Service, RMRS Research Joint Venture Agreement 08-JV-11221611-160. \$108,500. 1.5 yr to 15 Sept 2009, extended to 2011
- Morgan, P. 2008. Postfire Monitoring of Fuel Treatments, Invasive Species, and Rehabilitation Treatment Effectiveness USDA Forest Service Rocky Mountain Research Station Research Joint Venture Agreement. \$107,061, 2 yr (June 2008 to 31 Dec 2009)
- Holden, A., J. Hicke, and P. Morgan. 2008. Evaluating Interactions between insect infestations and fire extent and fire severity: A preliminary investigation in Washington and Oregon. \$35,967. 18 months (June 2008 – December 2009). USDA Forest Service, Pacific Northwest Research Station, Research Joint Venture Agreement 08JV1126-1900081 (contact Alan Ager).
- Luce, C.H., B. Rieman, J. Buffington, Z. Holden, P. Morgan, M. Dare, C. McGrath, K.A. Dwire, D. Isaak. 2008. Fire and Aquatic Ecosystems in the Context of Climate Change: A Synthesis for Improved Management. Joint Fire Science Program, \$149,626, 2009-2010.

- Morgan, P. and Chad Hoffman. 2007. Crown Fire Hazard in Insect and Disease-Infested Forest Stands in the Pacific Northwest USDA Forest Service Special Technology Development Program, Project Number R6-2008-04. 3 years. \$150,000 total for three years 2008-2011, will have no-cost extension to 2012).
- Smith, A., P. Morgan and C. Hoffman. 2007. Smoke Management: Development of Online Training Resources and Workshops. National Park Service. 5 years. 2007-2012. \$134,967.
- Morgan, P., P. Robichaud, S. Lewis, A. Hudak, L. Lentile. 2007. Fire Effects on Soils and Vegetation. USDA Forest Service, Rocky Mountain Research Station, \$40,550 plus \$147,600, 2007-2010.
- Smith, A.M.S., Morgan, P., Hoffman, C., 2007, Smoke Management: Development of Online Training Resources and Workshops, National Park Service, 5 years. October 2007- September 2012. \$134,967
- Morgan, P. and G. Gollberg. 2007. Maintenance and development of FRAMES. Congressional earmark through the USDA Forest Service, Rocky Mountain Research Station. 1 year from 25 June 2007. \$223,950 (Morgan @ 0 FTE/yr).
- Heyerdahl, E.K., C. Luce, P. Morgan, M. Crimmins, and Z. Holden. 2007. Local and Regional Climate Controls on Western U.S. Fire Extent and Severity. USDA Forest Service, Rocky Mountain Research Station. 2 years from November 2007 to September 2009, \$112,198. Amendment to RJVA #02-JV-11222048-203.
- Morgan, P., A. Hudak, and P. Robichaud. 2007. Do pre-fire fuels treatments and forest management practices influence post-fire burn severity in the northern Rockies? 1 year from 1 September 2007 to 31 August 2008. US Forest Service Rocky Mountain Research Station. \$127,802.
- Robichaud, P.R., A. Hudak, L.B. Lentile, S. Lewis, P. Morgan. 2006. Invasive Species Response to Fire and Post-fire Rehabilitation Following the 2005 School Fire, Umatilla National Forest: A Rapid Response Proposal. 3 yr (June 2006 to June 2009), \$256,896, (P. Morgan @ 0.1 FTE/yr).
- Morgan, P. and G. Gollberg. 2006. FRAMES infrastructure expansion project III. Congressional earmark through the USDA Forest Service, Rocky Mountain Research Station. 1 year from 29 March 2006. \$129,170 to UI and \$214,380 to partners. (Morgan @ 0 FTE/yr).
- Morgan, P. and G. Gollberg. 2006. Development of a 5-year strategic plan for FRAMES. \$20,000 from National Fire Plan and \$20,000 from USGS/NBII.
- Morgan, P. and G. Gollberg. 2006. Development of a training course for FRCC Assessment. NPS Pacific NW Cooperative Ecosystems Study Unit. \$20,000. 1 year.
- Morgan, P., M. Rollins, and Z. Holden. 2005. Predicting Burn Severity in the Gila Wilderness, New Mexico: Meeting Local Need for Potential Impact of Fire on Fish and Streams. USDA/USDI Joint Fire Science Program, 2 years. \$192,169, (P. Morgan @ 0.08 FTE/yr).
- Campbell, A, P. Morgan, L. Lentile, A. Smith, and A. Hudak. 2005. Meeting Fire Management Needs for Science Synthesis, Workshops and Online Academic Courses: An Innovative Technology Transfer Approach 2 yr (August 2005 to July 2007), Joint Fire Science Program. \$ 369,343
- Campbell, A., P. Morgan, S. Bunting, H. Han, and E. Strand. 2005. FireWorks: Web Courses in Fire Ecology, Management and Technology for On- and Off-campus Students. SBOE Idaho Technology Incentive Grant Program. 2 Yr (July 2005 to June 2007). \$107,565
- Morgan, P. and G. Gollberg. 2005. FRAMES infrastructure expansion project II. Congressional earmark

through the USDA Forest Service, Rocky Mountain Research Station. 1 year from 16 August 2005. \$97,000 to UI and \$100,000 to partners.

- Morgan, P. and G. Gollberg. 2005. Provide access for FERGI into the FRAMES Portal. USDA Forest Service, Rocky Mountain Research Station. 1 year from 31 July. \$2,000.
- Morgan, P., M. Rollins, and Z. Holden. 2005. Predicting Burn Severity in the Gila Wilderness, New Mexico: Meeting Local Need for Potential Impact of Fire on Fish and Streams. 2 years. \$192,169.
- Hudak, A., N. Crookston, A. Smith, P. Gessler, K. Humes, P. Morgan, D. Patterson, and B. Steigers. 2004. Integrated Multisensor Remote Sensing and Modeling to Manage Mixed-Conifer Forest Fuels. USDA Forest Service Agenda 2020. Three years from October 1, 2005-September 30, 2008, \$148,312. (P. Morgan @ 0 FTE/yr).
- Morgan, P., J.K. Hiers, R. Masters, C. Fowler, J. Gaines, and G. Gollberg. 2004. An Information Portal for Fire Science and Management in the Southern Region AFP 2004-4, Task 1: Science Application Partnerships, USDA/USDI Joint Fire Science Program. Originally two years from May 2004-October 2005, now extended to June 2007, \$497,763.
- Morgan, P., L. Waits, and J.E. Force. 2004. Modeling trends in forest management, exurban development, and biodiversity conservation under alternative policy portfolios in northern Idaho. McIntire-Stennis. \$74,000, three year.
- Morgan, P. 2004. A science review of the fire regime condition class concept, methods and applications. \$49,983. US Department of the Interior. 1 yr.
- Morgan, P. and G. Gollberg. 2004. Fire Regime Condition Class (FRCC) Training Delivery and Registration. US Department of the Interior. \$72,223. One year.
- Morgan, P. and G. Gollberg. 2004. Development of a Training Course for Fire Regime Condition Class (FRCC) Assessment. Department of the Interior. \$39,230. One year.
- Morgan, P. and G. Gollberg. 2004. A continuation of the FRAMES infrastructure expansion project I. Congressional earmark through the USDA Forest Service, Rocky Mountain Research Station. 1 year from 22 March 2004. \$197,000.
- Morgan, P. and G. Gollberg. 2004. Development of a training course for FRCC Assessment. NPS Pacific NW Cooperative Ecosystems Study Unit. \$39,230. 1 year.
- Morgan, P. and G. Gollberg. 2003. A new wildland fire tools database and security protocol for FRAMES. \$40,000. Congressional earmark through the USDA Forest Service, Rocky Mountain Research Station.
- Morgan, P. and G. Gollberg. 2003. FRAMES infrastructure expansion project I. Congressional earmark through the USDA Forest Service, Rocky Mountain Research Station. 1 year from 22 March 2004. \$199,000.
- Morgan, P., L. Waits and J.E. Force (with Nielsen-Pincus, Caren Goldberg, and Amy Pocewicz). 2003. Modeling trends in forest management, exurban development, and biodiversity conservation under alternative policy portfolios in northern Idaho. McIntire-Stennis. Three years, \$74,000.
- Morgan, P., A. Hudak, and K. Ryan. 2003. Assessing the Causes, Consequences and Spatial Variability of Burn Severity: A Rapid Response Proposal. USDA/USDOI Joint Fire Science Program, three years, extended one year to August 2007, \$799,314.

- Morgan, P., E. Heyerdahl, C. Miller and M. Rollins. 2003. Climate drivers of fire & fuel in the Northern Rockies: Past, present & future. USDA/USDOJ Joint Fire Science Program, three years, \$319,037.
- Morgan, P., G. Gollberg, R. Keane, W. Cook, L. Queen, and M. Twery. 2003. An expert system and new web interface for tools on the Fire Research and Management Exchange System (FRAMES) [www.frames.gov](http://www.frames.gov). USDA/USDOJ Joint Fire Science Program, one year, \$99,475.
- Morgan, P. 2003. Evaluating ASTER satellite imagery for mapping and characterizing fuels for forest fires in mixed conifer forests of northern Idaho. \$59,400. 1 yr. USDA Forest Service, Rocky Mountain Research Station.
- Morgan, P. 2003. Variability in fire regimes across space and time. Aldo Leopold Wilderness Research Institute, Rocky Mountain Research Station, USDA Forest Service, \$15,000, one year.
- Morgan, P. and G. Gollberg. 2002. Fire Research and Management Exchange System (FRAMES). \$30,000. USDA Forest Service, Rocky Mountain Research Station
- Rollins, M.G., P. Morgan, S. Stephens, J. van Wagtendonk, R.E. Keane, N. Stephenson, P. Boucher, A. Caprio, E. Duncan, and K. Schon. 2001. Historical wildland fire use: lessons to be learned from twenty-five years of wilderness fire management. USDA and USDOJ Joint Fire Sciences Program. Three year: January 2002-December 2004, was extended one year to August 2007, \$493,583.
- Kingery, J., P. Morgan, M. Falter, and K. Reese. 2000. Development of four technology-enhanced graduate courses in natural resources. State Board of Education. Two year. \$100,000 (with \$100,000 match from University of Idaho and College of Natural Resources).
- Morgan, P. 2000. Reintroduction of fire into Isle Royal National Park: An ecological evaluation of existing data. USDI National Park Service. \$17,380. One year.
- Morgan, P. 2000. Assessing strategies for landscape-level fire management. USDA Forest Service, Salmon National Forest. Challenge Cost Share Agreement #00-CS-11041330-076. \$20,000.
- Kipfmüller, K.F., T.W. Swetnam, and P. Morgan. 1999. Timing of whitebark pine mortality due to mountain pine beetle in the Selway-Bitterroot Wilderness in Montana and Idaho. Funding: USDA Forest Service, Rocky Mountain Research Station, RJVA. \$22,500, One year.
- Morgan, P. 1999. Are stable isotopes of carbon and nitrogen effective indicators of fire effects on trees? Funding: University of Idaho Research Council FY2000 Seed Grant Program. \$5,602, One year.
- Morgan, P. 1999. Reintroduction of fire into Isle Royale National Park: An ecological evaluation of existing data. Funding: USDI National Park Service. \$17,400, One year.
- Rollins, M.G., T.W. Swetnam, and P. Morgan. 1999. Spatial and temporal analysis of lightning and fire occurrence in Rocky Mountain wilderness areas. Funding: USDI and USDA Joint Fire Sciences Program, \$25,000, One year.
- Morgan, P. 1998. Historical range of variability for the Idaho Southern Batholith Ecosystem. Boise Cascade Corporation, \$31,368. Five months.
- Gessler, Paul E., L. Fox, and J.M. Scott (with P. Morgan and J. Ulliman, co-investigators). Inland Northwest Remote Sensing Laboratory for Bioregional Analysis. National Aeronautics and Space Administration, Mission to Plant Earth, \$253,526. Three years.

- Whitlock, C., T.W. Swetnam, and P. Morgan. 1996. Collaborative research: Climate-fire-ecosystem linkages on decadal to centennial time scales in the northern Rockies. National Science Foundation. Proposal ID No. SBR-9619410. \$62,860 (\$425,180 total). Three years.
- Morgan, P., A.E. Black, and M. Rollins. Landscape dynamics in central Idaho. U.S. Department of Agriculture, National Research Initiative Competitive Grants Program. Proposal No. 9603732. \$11,500 (matching funds from University of Idaho Research Office [\$5,750] and College of Forestry, Wildlife and Range Sciences [\$5,750]). \$23,000 total. One year
- Bunting, S.C., P. Morgan, K. Launchbaugh, and L. Fox. 1996. Field trip in a computer: Spatial data sets for teaching. University of Idaho Teaching and Learning Grant, \$2,500. Matching funds from Department of Forest Resources (GNY015), \$1,100. \$3,600 total. One year.
- Jain, T., R. Graham, and P. Morgan. 1996. Regeneration and development of western white pine. Funding: USDA Forest Service, Intermountain Research Station (in-kind).
- Green, P., K. Lohman, and P. Morgan. 1995-97. Natural terrestrial disturbance regimes and spatial patterns of aquatic habitat. Funded through USDA National Research Initiative Competitive Grants Program seed grant to Kirk Lohman and in-kind funding from Nez Perce National Forest.
- Flanagan, P., R. Everett, and P. Hessburg. 1995. Fire, insects and disease: disturbance interactions in subalpine forest landscapes in the Entiat Watershed, Washington. Funding: USDA Forest Service, Pacific Northwest Research Station (in-kind). Three years.
- Swetnam, T.W., and P. Morgan. 1995. Mapping past and potential fire regimes in Rocky Mountain wilderness. Funding: USDA Forest Service, Intermountain Research Station, Aldo Leopold Wilderness Research Institute. \$59,609 total. Three years.
- Stewart, S., J. Landsberg, and P. Morgan. 1994. Changing structure of dry grand-fir forests. Funding: USDA Forest Service, Wenatchee National Forest (in-kind). One year.
- Bunting, S., and P. Morgan. 1994. Historical fire regimes in the Interior Columbia River Basin. USDA Forest Service, Intermountain Research Station. RJVA-INT-94913. \$22,250. Two years.
- Long, D.G., and P. Morgan. 1993. Modeling historical fire regimes in the Swan Valley, northwestern Montana. USDA Forest Service Region 1 and Flathead National Forest (in-kind funding). Two years.
- Guilfoyle, K., and P. Morgan. 1993. Collaborative, interdisciplinary learning in ecology. Research Council, University Research Office, FY1994 Seed Grant Program. \$5,415. One year.
- Morgan, P. 1993. Landscape metrics and vertebrate species richness in Idaho. Martin Marietta Energy Systems. \$9,000. Six months.
- Morgan, P., and E.O. Garton. 1992. Wildlife habitat under alternative timber harvest and fire management regimes in ponderosa pine-Douglas-fir forests. USDA McIntire-Stennis. \$28,095. Three years.
- Morgan, P., and S.C. Bunting. 1992. Evaluating the past and future role of fire in maintaining whitebark pine cone production within a small wilderness area. USDA Forest Service, Intermountain Research Station. \$30,480. Three years.
- Morgan, P. 1992. Cedar-hemlock-white pine ecosystem - Symposium. USDA Forest Service, Intermountain Research Station. \$2,000. One year.

- Morgan, P. 1992. Cedar-hemlock-white pine ecosystem - Ecology Handbook. USDA Forest Service, Intermountain Research Station. \$8,000. One year.
- Danso, A.A., and P. Morgan. 1990. The effect of *Cassia siamea* prunings on rice and maize production and soil fertility in alley cropping in The Gambia. U.S. Agency for International Development (in-kind). One year.
- Keane, R.E., and P. Morgan. 1990. Status of whitebark pine in the northern Rocky Mountains. USDA Forest Service, Northern Region and Intermountain Research Station. \$45,000 (in-kind). Four years.
- Botelho, H., F. Rego, P. Morgan, and S. Bunting. 1989. Use of prescribed fire in young maritime pine (*Pinus pinaster*) plantations in northern Portugal (in-kind). Three years.
- Zack, A., and P. Morgan. 1989. Modelling succession on two forest habitat types in northern Idaho. USDA Forest Service Region 1: \$52,221 (in-kind); Idaho Panhandle National Forests: \$31,433 (in-kind). Three years.
- Morgan, P. 1989. Ecology and silviculture of interior Douglas-fir. USDA Forest Service, Intermountain Research Station. Cooperative Agreement. \$49,954. One year.
- Morgan, P. 1989. Assessing alternative hazard fuel treatments in the wildland/development interface of Grand Teton National Park. Grand Teton Natural History Association. \$6,500. One year.
- Morgan, P. 1989. Hazard fuel management planning. USDI National Park Service. \$25,000 (in-kind). One year.
- Bunting, S., and P. Morgan. 1989. Whitebark pine fire ecology and management. USDA Forest Service, Intermountain Research Station. \$2,200. Extension to current project. Eight months.
- Wilkinson, W., and P. Morgan. 1988. Hardwood sprout control. USDI Bureau of Indian Affairs (in-kind). Two years.
- Morgan, P. 1988. Hazard fuel management in the wildland development interface in Grant Teton National Park. USDI National Park Service (Mod. 2, SubAgr. 5. Coop. Agr. No. CA-9000-8-0005). \$10,500. Two years.
- Morgan, P., and B. Shiplett. 1988. Photographic series for appraising slash fire hazard in northern Idaho: Western hemlock, grand fir, western redcedar and ponderosa pine. Idaho Dept. of Lands. \$7,200 (in-kind). One year.
- Dunn, W.W., and P. Morgan. 1988. Mailing list development for FWR Continuing Education and Outreach. Renewable Resources Extension Act. \$3,300. One year.
- Kinucan, K., and P. Morgan. 1988. Environmental Interpretation Center for the Clark Fork Field Campus. Renewable Resources Extension Act. \$3,100. One year.
- Morgan, P. 1987. Ecology and management of ponderosa pine. USDA Forest Service, Intermountain Research Station. \$9,900. Extension to current project. Nine months.
- Morgan, P. 1987. Develop state-of-knowledge on the ecology and silviculture of ponderosa pine in the western United States. USDA Forest Service, Intermountain Research Station. \$49,733. 1 yr.
- Morgan, P. 1987. Individual shrub response to burning in a combustion chamber. FY1988 Research Council Seed Grant Program in Life Sciences. University of Idaho. \$4,600. Two years.

- Bunting, S., and P. Morgan. 1987. Whitebark pine fire ecology and management. USDA Forest Service, Intermountain Research Station. \$30,141. Two years.
- Morgan, P., and W.W. Dunn. 1986. Agroforestry cost-benefit analysis and management plan for aliso (*Alder jorullensis*) in Ecuador. U.S. Agency for International Development Title XII. \$3,789. CARE, International, \$3,800. One year.
- Morgan, P., and A.M. Lynch. 1986. Agroforestry Management plan for Oracle Agricultural Center Demonstration Farm. U.S. Agency for International Development Title XII. \$10,060. One year.
- Morgan, P. 1985. Regeneration potential following coppice cutting in the encinal woodlands. USDA McIntire-Stennis. \$26,860. Three years.
- Matter, W.J., P. Morgan, and J.C. Tash. 1985. The effect of cable logging on canyon streams in the White Mountains of Arizona. USDA McIntire-Stennis. \$28,322. Three years.
- Lawton, P. Morgan, and L.F. Neuenschwander. 1981. Modeling early shrub succession following clearcutting and burning of dense coniferous forests. USDA Forest Service, Int. \$26,400. Three years.

## SERVICE:

### Major Committee Assignments:

#### International:

- International Advisory Committee for the Wildfire PIRE project funded by the National Science Foundation, <http://www.wildfirepire.org/>, 2011-2013.
- International Advisory Committee for the Fire Paradox project funded by the European Union, <http://www.fireparadox.org/>, 2008-2011.
- Associate Editor, International Journal of Wildland Fire, 2009-2012.

#### National:

- Reviewer for 6-10 refereed journals each year, 1986 to present.
- Participant, Invited. TREX strategy and leverage design team. 21 participants. Salt Lake City, UT, June 1-3, 2016.
- Member, Board, national Association for Fire Ecology, 2015 to present.
- Proposal review panel for Graduate Research Innovation Program, USDA/USDI Joint Fire Science Program, annually 2010 to present.
- Member (and chair for one year), Education Committee, Association for Fire Ecology, 2007-2014
- Chair, Wildland Fire Professional Certification Committee, Association for Fire Ecology, 2011-2014.
- Member, Program Committee, Beyond Fire Behavior and Fuels: Learning from the Past to Help Guide Us in the Future, 3rd Fire Behavior and Fuels Conference, International Association of Wildland Fire, Spokane, Washington, USA, October 25-29, 2010, <http://www.iawfonline.org/spokane2010/>
- Chair, Program Committee, The Fires of '88: Yellowstone and Beyond, sponsored by the International Association of Wildland Fire, September 22-27, 2008.
- Proposal review panel for USDA/USDI Joint Fire Science Program, Graduate Research Innovation Award, 2011, 2012, 2014, 2016, 2017 (reviewer), 2012 and 2013 (co-lead entire effort)
- Proposal review panel for USDA/USDI Joint Fire Science Program, 2005, 2006, 2009
- Member, College panel for the Interagency Fire Program Management GS-0401 Education/Training Assessment Board, 2006-present.

Fire regimes. Briefing for US House and Senate Staff, invited presentation by the Fire Research Leadership Council, Washington, DC, March 2003  
New Mexico Collaborative Forest Restoration Technical Advisory Panel, a Federal Advisory Committee to the Regional Forester, Southwestern Region, USDA Forest Service, Albuquerque, New Mexico, 2000-2003

State:

Fire Management and Healthy Forest Ecology. Coeur d'Alene Chamber Seminar Series. Jan. 19, 2005. Coeur d'Alene, ID. Invited.  
Past, Present and Future Fires, Idaho Forest Leadership Tour, Idaho Forest Products Commission, September 12, 2003, Priest Lake, Idaho, 18 participants.  
Fire Ecology, Elk Summit organized by Senator Mike Crapo's staff, Lewiston, Idaho, 2001, 14 participants

University:

Member, University-Level Promotions Committee, Dec 2017-Feb 2018.  
Member, Faculty Senate, Aug 2017-present  
Member, Incentive Based Funding Ad Hoc Subcommittee of IPEC, University of Idaho, Dec 2016-March 2017, Appointed by Provost  
Member, Strategic Planning Committee, University of Idaho, 2015-2016  
Member of University Tenure and Promotion Committee, 2012-2013  
Member of NSAC accreditation review committee for standard 2, 2003  
Sabbatical Leave Committee, 1993-94  
Honors Program Committee, 1993-96, 1997-present  
Continuing Education Committee, Ad Hoc member, 1986-89

College:

Member, Graduate Program Committee, 2016-present  
Member, Mentoring committee for Rob Keefe, Forest, Rangeland, and Fire Sciences Department, University of Idaho, 2015-present  
Member, CNR Curriculum Review Task Force, 2014  
Member, CNR Tenure and Promotion Committee., 2010-2013, 2015.  
Member, Request for Innovation Committee, 2008-2009.  
Member, Mentoring committee for Alistair Smith, Forest Resources Department, University of Idaho, 2009-2014  
Member, Mentoring committee for Janet Rachlow, Forest Resources Department, University of Idaho, 2009-present  
Member, Curriculum Committee, College of Natural Resources, University of Idaho.  
Member, Search Committee for Assistant Professor of Forest Operations, Dept. of Forest, Rangeland, and Fire Sciences, 2012.  
Chair, Search Committee for Assistant Professor of Fire Science, Department of Forest Resources, University of Idaho, 2008.  
Member, Search Committee for Assistant Professor of Fire Science, Department of Forest Resources, University of Idaho, 2007.  
Member, Promotion and Tenure Committee for Janet Rachlow, Fish and Wildlife Resources Department, University of Idaho, 2006-present  
Member, CNR Promotion and Tenure Committee, 2006-present  
Space Committee, College of Natural Resources, University of Idaho, 2006-present.  
Advisor for Student Association for Fire Ecology, 2004-present  
Chair, Search Committee for Assistant Professor of Biometrics and Quantitative Modelling, 2006.  
Member, Mentoring committee for Kerri Vierling, Fish and Wildlife Resources Department, University of Idaho, 2006-present  
Chair, Petitions and curriculum committee, Ecology and Conservation Biology Program, 2004-2007

Member, Senior Thesis and Project Committee, Ecology and Conservation Biology Program  
 Member, Mentoring committee for Barbara Anderson, Landscape Architecture  
 Member, Mentoring committee for Han-Sup Han, Forest Products Department, 2005-2006  
 Chair, Search committee chair for 1 instructor/web designer.  
 Search committee member for Spatial Analysis faculty position, University of Idaho College of Natural Resources, 2004  
 Academic Redesign Committee member, Presentation of CNR Research Highlights (with others) to UI President Hoover and his Leadership Council  
 Curriculum committee member  
 NRECB petitions committee chair, 2003-  
 NRECB senior project committee member, 2001-  
 Search committee chair for 1 postdoctoral research position and 1 GIS Analyst Assistant Classified Staff position  
 Search committee member for 2 postdoctoral research positions  
 Co-director, Natural Resources Ecology and Conservation Biology Program, College of Natural Resources, University of Idaho, 1997-2001  
 Chair, Petitions Committee, Natural Resources Ecology and Conservation Biology Program, College of Natural Resources, University of Idaho, 2001-present  
 Search Committees, 1 faculty member in College of Natural Resources 2004, and 2 faculty members in Resource Recreation and Tourism Department, 2000  
 Curriculum Committee, 1998-2002  
 Search Committee, faculty in Forest Pathology, Entomology or Microbiology, Department of Forest Resources, 1997-98  
 Chair, Search Committee for faculty in Remote Sensing and GIS, Department of Forest Resources, 1996-97  
 Chair, Distance Education, Department of Forest Resources, 1996  
 Search Committee, faculty in Fish Health and Aquaculture, Department of Fish and Wildlife Resources, 1995  
 Search Committee, Chair of the Department of Fish and Wildlife Resources, 1993-94  
 Petitions Committee, 1992-99  
 Search Committee, Coordinator of Continuing Education and Research, College of Forestry, Wildlife and Range Sciences, 1992-93  
 Chair, Curriculum Committee, College of Forestry, Wildlife and Range Sciences, 1991-96  
 Search Committee, Taylor Ranch Scientist and Manager, College of Forestry, Wildlife, and Range Sciences, 1990  
 Chair, Master of Natural Resources Committee, College of Forestry, Wildlife, and Range Sciences, 1988-present  
 Search Committee, McCall Program Manager, College of Forestry, Wildlife, and Range Sciences, 1986

#### Departmental:

Program Accreditation Committee (accreditation from Society of American Foresters), 1993-94  
 Graduate Program Review Committee, Department of Forest Resources, 1990-2014  
 Continuing Education Committee, Department of Forest Resources, 1986-present  
 Tenure and Promotion Review Committee, Department of Forest Resources, 1986

#### Other:

Member, Search Committee for Program Director of the Joint Fire Science Program, 2015.  
 Member, Steering Committee, Symposium on Ecology and Management of Mixed Severity Fire Regimes, November 17-19, 2004, Spokane, Washington  
 Member, Steering Committee, Fire Conference 2000: The first national congress on fire ecology, prevention and management. November 27-December 1, 2000, San Diego, California  
 Chair, Steering Committee, Continuing Education in Ecosystem Management, 1996-present  
 Foreign Scholar Award, International Association of Landscape Ecology  
 Steering Committee, Interior West Fire Council, 1987-89

Executive Council, Inland Empire Section, Society of American Foresters, 1987-89

**Professional and Scholarly Organizations:**

Journal Reviews:

Nature  
 Fire Ecology  
 Forest Ecology and Management  
 Western Journal of Applied Forestry  
 International Journal of Wildland Fire  
 Landscape Ecology  
 Ecological Applications  
 Landscape and Urban Planning

Manuscript reviews for USDA Forest Service Pacific Northwest Research Station and Rocky Mountain Research Station, and for Tall Timbers Research Station.

Ecological Society of America

International Association of Landscape Ecology

Student paper judge, 1998

International Association of Wildland Fire

Association of Fire Ecology

Society of American Foresters, 1980-91

Advisor, Student Chapter, University of Arizona, 1985-86

Vice president, Southern Arizona Chapter, 1984-85

Counselor, Inland Empire Society, 1987-89

Member, Task Force on Old Growth Management, Southwestern Section, 1985-86

**Outreach Service:**

Workshops:

Traditional Knowledge and Fire, Nov. 7-9, 2012. Planning committee

4 workshops on Climate Change in Northern Rockies, Dec 2012, NSF-IGERT project, I gave keynote at each one and participated as facilitator and leader of student team leading the effort.

Reforestation and Restoration Ecology Short Course, October 10-13, 2001. Two presentations: Restoration Ecology/Reforestation following fire, and Accessing and Using Information. University of Idaho.

Other:

Visualizing Science, a Vandal Innovation Project. Led by Sally Machlis and Roger Rowley. Participant. Exhibition in University of Idaho Prichard Gallery Feb 2017-March 2017.

Fire Research Consensus Project. Led by M. Moritz (University of California-Berkeley) and C. Topik (The Nature Conservancy) with funding from National Center for Ecological Analysis and Synthesis, Science Nature and People Project, and WilburForce Foundation. Spring 2016-Fall 2017.

FRAMES: Fire Research and Management Exchange System: <http://frames.nbii.gov>, a one-stop source of fire information, data and tools. Ongoing, 2003-2013.

Online courses for fire professionals <http://401series.net> and <http://www.cnr.uidaho.edu/wildlandfire>

Fire and aquatic ecosystems: a synthesis of recent science <http://www.fs.fed.us/rm/boise/AWAE/workshops/FireAquaticEcosystems.shtml>. Contributor.

Smoke Management: Development of Online Training Resources and Workshops <http://www.cnr.uidaho.edu/wildlandfire/fact.htm>, Oversight.

Planning committee chair and presenter, Innovation in Education: Reaching Out to Land Management Professionals, UI Fire symposium, September 25, 2004, Moscow, Idaho.

Member, planning committee, Fire on Moscow Mountain: Research Supporting Community Action, UI Fire Symposium, September 25, 2004, Moscow, Idaho.

- Morgan, P. 2001. Fire, birds, bears and trees: Conservation and restoration of a high mountain resource. Sage Notes. Idaho Native Plant Society Newsletter.
- Morgan, P., L.F. Neuenschwander, and T.W. Swetnam. 2000. Testimony to the Subcommittee on Forests and Forest Health, Committee on Resources, U.S. House of Representatives. Submitted as written comments. June 2000.
- Morgan, P. Fire Ecology and Management. Forestry Dean's Tour, American Forest and Paper Association, McCall, Idaho, August 22.
- Member, Science Board, Four Corners Institute, Santa Fe, New Mexico, Melissa Savage, Director.
- Coordinate (with Steve Bunting) the process to capture the expertise of more than 100 ecologists (with expertise in succession, entomology, pathology, fire, range science and management) to develop successional models for all forest, woodland, shrubland and grassland within the 800,000 km<sup>2</sup> area. The models were used in CRBSUM to illustrate alternatives in both the scientific assessment and the Environmental Impact Statement of the Interior Columbia Ecosystem Management Project. We led a series of more than 6 intensive workshops in 1996.
- Provide our maps of historical and current fire regime maps for the Interior Columbia Basin Ecosystem Management Project for wide use in both the scientific assessment and the IES for the Interior Columbia Ecosystem Management Project. In 1996, 1997 and 1998, Steve Bunting and I have answered more than 100 inquiries from people working with natural resource management issues within the states of Idaho, Montana, Washington, Oregon and Wyoming.
- Assist Idaho Fish and Game, Idaho Department of Lands, USDI Bureau of Land Management, Nez Perce Tribe, and the Nature Conservancy with development of fire management plan for Craig Mountain Wildlife Management Area.
- Assist Idaho Fish and Game with mapping critical wildlife habitat in Latah County, Idaho, as input to revision of land use planning regulations, December 1996.
- Member of the Board, Palouse Land Trust, 1995-2000, Advisory Board 2000-present.
- Portugal: Advise national park officials and university researchers about fire management, June 1996.
- Argentina: Advising government and public officials on fire management, setting up fire ecology research, develop fire management plan for CORFONE, a private corporation, February 1996, 3 weeks.
- Chair (1996-2000) and member (1992-2000) of Steering Committee for Continuing Education in Ecosystem Management Program sponsored by 3 universities and 10 agencies.
- Associate Editor, *International Journal of Wildland Fire*, 1993-99.
- Mentor for Extended Learning Internship, Moscow High School, Fall 1993. One student studying fire ecology.
- Steering committee, Fire Ecology and Ecosystem Management, an inter-agency education course, 1993-95.
- Member, USFS silviculture certification panels, occasional, 1993-present.
- Member, Ecosystem Science Committee, USDA Forest Service, Northern Region, Missoula, Montana, 1993-95.
- Review of articles for proceedings: Fire and Environment: Ecological and Cultural Perspectives, Fire in Wetlands.
- Marshall for Commencement Ceremonies, University of Idaho, 1990, 1991, 2000, 2007, 2008..
- Technical Resource. Project in computer aided forestry education development and evaluation, April 1991.
- Member, planning committee for symposium: Interior cedar-hemlock forests: Their ecology and management, 1991-present. Symposium planned for March 1992.
- Review of "Recommendations for interim guidelines for the northern goshawk," Goshawk Scientific Committee, USDA Forest Service, Region 3, Albuquerque, New Mexico, 1991.
- Member, Steering Committee for Willow Creek landscape management demonstration project, a cooperative project of USDA Forest Service Intermountain Research Station and Idaho Panhandle National Forests, and University of Idaho.

Portugal: Advising on design of research related to the use of prescribed burning to reduce wildfire damage in *Pinus pinaster* stands in northern Portugal, November-December 1988.

Counselor, Inland Empire Society of American Foresters, 1987-89.

Steering Committee, Interior West Fire Council, 1987-89.

Coordinator of Continuing Education and Outreach, College of Forestry, Wildlife, and Range Sciences, University of Idaho, August 1986-89. General publicity, information, coordination, and logistical arrangements for workshops, short courses, and conferences (80 events, 8,508 participant days in 1987-88) for educating professional natural resource managers and the general public. Supervised Manager, Clark Fork Field Campus; Program Manager, McCall Field Campus and Assistant Coordinator of Continuing Education and Outreach; Office Manager, Continuing Education and Outreach (50% of her time). Assisted Associate Dean for Academics and staff in development of management policies and annual reports of activities at the Clark Fork and McCall Field Campuses.

“Christmas Trees,” 10-minute television appearance on “Tucson AM,” KUTV, Tucson, Arizona, December 1985, through University of Arizona, Agricultural Communications.

Member, Old Growth Management Task Force, Southwestern Section, Society of American Foresters, 1985-86.

Advisor, University of Arizona Chapter, Society of American Foresters, 1985-86.

#### **Community Service:**

Member, Advisory Board, Palouse Land Trust

#### **Honors and Awards:**

Donald Crawford Award for Graduate Student Mentoring, University of Idaho, 2015.

Service Learning Fellow, University of Idaho, May 2012

University Award for Excellence in Interdisciplinary Research, University of Idaho, 2011

Outstanding Research Award, College of Natural Resources, University of Idaho, 2009

Outstanding Teaching Award, College of Natural Resources, University of Idaho, 2008.

University Award for Excellence in Outreach, University of Idaho, 2007.

Outstanding Advisor Award, College of Forestry, Wildlife and Range Sciences, University of Idaho, 1997

Sabbatical Leave, 1998-99 Academic Year, Climate-fire-vegetation linkages in Rocky Mountain landscapes, University of Idaho, 1998

Jackson Hole Award for Creativity, 1996, given by Cultural Council of Jackson Hole and Jackson Hole Fine Arts Guild to the Morgan family: John, Georgie, Wendy, Kaidi, Penny, Cindy, and Lisa.

Honor Award for Public Service, USDA Forest Service, 1995

Alumni Association Award for Faculty Excellence, University of Idaho, 1995, 1997

International Honor Roll, University of Idaho, 1990

Outstanding Continuing Education and Service Award, College of Forestry, Wildlife, and Range Sciences, University of Idaho, 1990

Whittenberger Doctoral Fellowship, University of Idaho, 1983

Weyerhaeuser Doctoral Fellowship, University of Idaho, 1981, 1982

Graduate Fellowship, Utah State University, 1978