

**JOHN AUGUSTUS TANAKA**  
Associate Director and Professor  
Agricultural Experiment Station  
University of Wyoming  
2016

Agricultural Experiment Station  
University of Wyoming  
Dept. 3354  
1000 E. University Ave.  
Laramie, WY 82071  
(307) 766-5130  
(307) 766-3379 – Fax  
jtanaka@uwyo.edu

740 Rampart Road  
P.O. Box 1721  
Laramie, WY 82073  
(307) 460-8558 - Cell

### **Education**

B.S.	Rangeland Resources	Oregon State University	1978
M.S.	Rangeland Resources	Oregon State University	1982
Ph.D.	Range Science	Utah State University	1986

Thesis: Evaluating the Relative Worth of Public Range Improvements to a Cow-Calf Ranching Operation Through Computer Simulation

Dissertation: Economic Optimum Overstory Reduction for Increasing Seasonal Forage Production

### **Areas of Specialization**

Rangeland Economics and Management  
Natural Resource Economics  
Production Economics

### **Professional Experience**

July 2015-Present      **Director**, James C. Hageman Sustainable Agriculture Research and Extension Center, University of Wyoming

June 2015-Present      **Associate Director**, Wyoming Agricultural Experiment Station, University of Wyoming

June 2015-March 2016      **Director**, Powell Research and Extension Center, University of Wyoming

July 2009-June 2015      **Department Head and Professor**, Department of Ecosystem Science and Management (formerly Renewable Resources), University of Wyoming.

Feb. 2010-Present      **Co-Director**, Sustainable Rangelands Roundtable, Co-Director with William Fox, Texas A&M University since December 2012.

Nov. 2007-Oct. 2008      **Interim Executive Vice President**, Society for Range Management, Wheat Ridge, Colorado. Chief administrative officer for the society responsible for all activities of the society. Sabbatical leave.

July 2000-July 2009      **Research Scientist**, Eastern Oregon Agricultural Research Center, Union Station, Oregon State University. Appointment split – 70% research/30% extension. Conduct research and extension programs on economics of grazing management alternatives and public land policy, teach 2 courses/year at Eastern Oregon University.

- July 1991-June 2000      **Associate Professor** of Agricultural and Resource Economics, Oregon State University. Appointment split – 60% research/40% extension in rangeland economics since July 1996. Stationed off campus 1991-1995, teaching in agricultural and resource economics and assigned to the Blue Mountains Natural Resources Institute.
- Nov. 1993-Oct. 1995      **Acting Manager, Deputy Manager**, Blue Mountains Natural Resources Institute. Responsible for overall leadership and administration in research, development, application, demonstration, and education programs to address current issues in natural resources management in the Blue Mountains of Oregon and Washington. BMNRI is a partnership organization of federal, state, and local governments, industry groups, environmental advocacy groups, and private citizens and is administered by the USDA Forest Service Pacific Northwest Research Station. Supervise staff of eight to twelve. Co-Chaired the Ecosystem Management Council composed of 4 Ranger Districts, BMNRI, and stakeholders.
- August 1991-Oct. 1993      **Research Coordinator**, Blue Mountains Natural Resources Institute. Coordinating the development and planning of research, application, and demonstration programs to address current issues in natural resource management in the Blue Mountains of Oregon and Washington. Assigned by Oregon State University to the BMNRI. Full-time from 8/91 to 8/92, half-time from 8/92 to 10/93.
- Sept. 1985-June 1991      **Assistant Professor** of Agricultural and Resource Economics, Oregon State University. Teaching in agricultural and resource economics, research in rangeland economics. Stationed at Eastern Oregon State College, La Grande.
- Aug. 1982-Sept. 1985      **Graduate Research Assistant, Graduate Teaching Assistant, Instructor**, Department of Range Science, Utah State University.
- Sept. 1980-Aug. 1982      **Range Associate**, School of Renewable Natural Resources and Department of Agriculture Economics, University of Arizona. Arizona Range Research Task Force member with duties in extension and research. Assisted in development of coordinated management plans between rancher and agency, acted as a third party arbitrator in disputes, developed demonstration research projects on monitoring range improvements and grazing, participated at extension workshops.
- Jan. 1979-Oct. 1980      **Graduate Research Assistant**, Rangeland Resources Program, Oregon State University.
- June 1980-Aug. 1980      **Interviewer**, Department of Agricultural and Resource Economics, Oregon State University. Collecting data from ranchers concerning the economic impact of proposed BLM grazing reductions.
- March 1980-May 1980      **Land Management Planning Training Staff Assistant**, U.S. Forest Service, administered by the Eisenhower Consortium, Fort Collins, CO. Assist in training National Forest planning staffs in the implementation of the Forest and Rangeland Renewable Resources Planning Act, National Environmental Policy Act, and the Federal Land Policy and Management Act.
- May 1977-Sept. 1977      **Range Technician**, Cascade Resource Area, Boise (Idaho) District, Bureau of Land Management. Range analysis of production, utilization, and trend; inventory of water developments.

**External Grants and Contracts**

<u>Title</u>	<u>Date</u>	<u>Program</u>	<u>Amount</u>	<u>Status</u>
Discovering Our Nation's Rangelands	2014	USDA-NIFA	\$200,000	Awarded
Supplemental State-level Proposals for Public Land Ranchers Social and Economic Survey	2014	Wyoming Stock Growers Association	\$10,000	Awarded
Usable Science Workshop	2014	USDA-NRCS	\$15,000	Awarded
Usable Science Workshop	2014	USDA-NIFA	\$5,000	Awarded
Usable Science Workshop	2014	USDA-ARS	\$5,000	Awarded
Usable Science Workshop	2014	U.S. Geological Service	\$10,000	Awarded
Enhanced Ecosystem Goods and Services Content for a Social and Economic Survey of Public Land Ranchers in the United States	2013	Cattlemen's Beef Board	\$30,000	Awarded
A Social and Economic Survey of Public Land Ranchers in the United States	2013	Public Lands Council	\$60,000	Awarded
A Social and Economic Survey of Public Land Ranchers in the United States	2013	USDI – BLM	\$40,000	Awarded
A Social and Economic Survey of Public Land Ranchers in the United States and Sustainable Rangelands Roundtable	2013	USDA – FS	\$100,000	Awarded
Sustainable Rangelands Roundtable	2012	USDA – FS	\$80,000	Awarded
Human Footprint of Wind Energy and Related Resources	2012	USDI – BLM Wyoming Office	\$60,000	Awarded
Synthesizing rangeland sustainability research	2011-16	Rocky Mountain Research Station	\$50,000	Awarded
Rangeland Health Assessment Program	2011	Wyoming Dept. of Agriculture	\$100,000	Awarded
Energy Development and Wildlife Habitat Database Organization	2010	Wyoming Dept. of Game and Fish	\$20,000	Awarded
Communicating Benefits of Regional and National Rangeland Assessments	2010	USDA – NRCS	\$30,000	Awarded
Ranch Sustainability Assessment	2010	Utah State Univ Western SARE	\$85,000	Awarded
Sustainable Rangelands Roundtable	2010-11	USDA – FS	\$160,000	Awarded

Sustainable Rangelands Roundtable	2009-14	USDI – BLM	\$275,000	Awarded
Rangeland Stewardship and Health Community of Practice	2008	eXtension	\$15,000	Awarded
Rangeland Stewardship and Health Community of Practice	2008	USDA Cooperative State Research, Education, and Extension Service	\$85,000	Awarded
Assessment of Social and Economic Capabilities – USDI Bureau of Land Management	2006	Cooperative Ecosystem Study Unit	\$134,400	Awarded
A Regional Experiment to Evaluate Effects of Fire and Fire Surrogate Treatments in the Sagebrush Biome	2005	USDA/USDI Joint Fire Science Program	\$56,175 of 12,900,000	Awarded
Integrated Restoration Strategies Towards Weed Control on Western Rangelands	2002	USDA Initiative for Future Agriculture and Food Systems	\$118,333 of 456,276	Awarded by Univ. Nev. Reno
Economic Impacts of National Fire Plan Projects in Wallowa, Union, and Grant Counties, Oregon	2002	USDA Forest Service	\$15,000	Awarded
Economic Impacts of Noxious Weeds in the Blue Mountains Demonstration Area	2001	USDA PNW Research Station	\$20,000	Awarded
Western Regional Evaluation of Social & Economic Impacts of Public Land Policy	1997	USDA Fund for Rural America	\$51,479 of 220,000	Awarded by New Mexico State Univ.
Management, Impact and Economics of Beef Cattle Grazing in Mountain Riparian Ecosystems	1997	USDA Sustainable Agr. Res. and Ext.	\$105,400	Awarded
The Economic Impact of the Cattle Industry and Related Agriculture Infrastructure to Oregon's Economy	1996	Oregon Beef Council	\$9,000	Awarded
Sustaining Rangeland Ecosystems	1994	Governor's Watershed Enhancement Board	\$10,000	Awarded
Economic Analysis of Proposed Rangeland Rules	1994	Oregon Division of State Lands	\$2,000	Awarded
Expert Witness: RO Livestock v. U.S.	1994-04	U.S. Department of Justice	\$40,000	Awarded

Blue Mountains Natural Resources Institute: Research, Development, Application, Education, and Demonstration	1993-96	USDA PNW Research Station	\$218,154	Awarded
Formulation and Demonstration of Agroforestry Practices and their Relationship to Riparian Areas (Co-Principal Investigator and Administrator)	1993-96	USDA PNW Research Station	\$65,000	Awarded
Economic Aspects of Natural Resources in the Blue Mountains: A Synthesis	1992-93	USDA PNW Research Station	\$ 6,250	Awarded
Cattle Grazing Dispersion Methods and Riparian Ecosystems (Co-Principal Investigator) OSU and Univ. of Idaho	1995-96	U.S. Dept. of Agric./ U.S. Environmental Protection Agency ACE Program	\$42,070	Awarded
Cattle Grazing Dispersion Methods and Riparian Ecosystems (Co-Principal Investigator) OSU and Univ. of Idaho	1995-97	U.S. Dept. of Agric. PNW Research Station	\$60,000	Awarded
Formulation and Demonstration of Agroforestry Practices and their Relationship to Riparian Areas (For BMNRI, Total Project = \$115,000)	1992-96	Oregon Regional Strategies Program	\$42,500	Awarded
Salvage Harvest and Stand Improvement Systems: Demonstration, Application, and Education (For BMNRI, Total Project = \$1,093,000)	1992-95	Oregon Regional Strategies Program	\$120,000	Awarded
Expert Witness: Hage v. U.S.	1992-04	U.S. Department of Justice	\$50,000+	Awarded
Modeling the Understory Component of Forested Ecosystems	1988-94	USDA PNW Research Station	\$55,329	Awarded
Rehabilitation of Juniper Woodlands: Fuelwood Harvesting and Site Modification (Co-Principal Investigator)	FY 1987	USDA Cooperative States Research Service	\$79,755	Not Awarded
Economic Impact of Whitetop ( <i>Cardaria</i> spp.) on the Sagebrush Ecosystem of Eastern Oregon (Co-Principal Investigator)	FY 1986-88	USDA Western Regional IPM Grants Program	\$47,200	Awarded

**Professional Association Membership and Offices Held**

## Society for Range Management - Life Member

## International level

Interim Executive Vice President 2007-2008  
 President 2006  
 1<sup>st</sup> Vice-President 2005  
 2<sup>nd</sup> Vice-president 2004  
 Board of Directors 2001-2003  
 Certified Professional in Rangeland Management 2000 to 2012  
 Website Task Group 2002-2005; 2008-present  
 Rangelands Steering Committee 2009-2014  
 Special Editor, Rangelands, 2012  
 Finance Committee 1997-2001, Chair, 1999-2000; 2009-2010  
 Associate Editor, Journal of Range Management 1995-1998  
 Employment Affairs Committee 1993-1996  
 Advisory Council 1991-1993  
 Undergraduate Range Management Examination, Chair, 1988-1991  
 Student Affairs Committee 1987-1991  
 Judge – Graduate Student Presentation Contest 1997-2004, 2013  
 Judge – Graduate Student Poster Contest 2003

## Section level (Wyoming)

Awards Committee 2012

## Section level (Oregon, Washington, British Columbia)

Webmaster 1995-2009  
 Newsletter Editor 1995-2000  
 President 1992-1993  
 First Vice-President 1991-1992  
 Second Vice-President 1990-1991  
 Student Affairs Committee Chair 1989-1990  
 Advisory Council Chair 1987-1988

## Chapter level

Blue Mountain Chapter President 1987-1988  
 OSU Student Chapter President-Elect and President 1976, 1977

## National Association of University Rangeland Programs – Wyoming representative

Chair 2011-13

Representative to the Association of Public and Land Grant Universities Board of Natural Resources 2013-15

## National Association of University Forest Resource Programs – Wyoming representative

Western Education and Research Activities Committee 55, Rangeland Resource Economics and Policy

Chair 1992-94

Vice-Chair 1990-92

Secretary 1989-90

Western Regional Project W 192 – Rural Communities and Public Lands in the West: Impacts and Alternatives

Western Regional Project W 1192 – Economic, Social, and Ecological Issues of Rangeland Fragmentation that Affect Rangeland Sustainability and Rural Communities

Western Education/Extension and Research Activity Committee WERA 1008 – Rangelands West Partnership, Administrative Advisor (2011 to present)

Western Coordinating Committee WCC-1008 (Western Development Committee WDC 23) – Rangeland Education across Institutional Boundaries

Chair 2011-2012

Western Education/Extension and Research Activity Committee WERA 1018 – Social and Ecological Resilience of Working Rangelands

Policy Analysis Center for Western Public Lands, Science Advisory Board member  
 John Day-Snake Resource Advisory Council. Appointed by the U.S. Secretary of the Interior to the Bureau of Land Management/U.S. Forest Service Federal Advisory Committee for northeastern Oregon and southeastern Washington public land management. 1995-2009. Chair 2002-2009.  
 Chair, Standards and Guidelines Subcommittee.  
 Chair, Blue Mountains Demonstration Area Subcommittee  
 Chair, Noxious Weeds Subcommittee  
 John Day River Wild and Scenic River Advisory Team, subgroup member appointed by the John Day-Snake Resource Advisory Council. 1998-2001.  
 Hells Canyon National Recreation Area Advisory Subgroup, subgroup member and Chair appointed by the John Day-Snake Resource Advisory Council. 1998-99.  
 Western Agricultural Economics Association – 1985-2008  
 American Agricultural Economics Association – 1985-2008  
 SS-AAEA, Judge for Outstanding Chapter Award (1996), Academic Quiz Bowl (1996-99), Outstanding Undergraduate Paper Presentations (1998)  
 Sustainable Rangelands Roundtable – 2000-present  
 Director – 2009-present  
 Soil and Water Conservation Society – 2011-present  
 Soil Science Society of America – 2012-present  
 USDA Agricultural Research Service search committee for Research Ecologist Position in the Rangeland Resources Research Unit, 2013

### **Honors and Awards**

Honorary Membership Award, U.S. Agricultural Information Network, 2016  
 Meritorious Service Award, Grazing Land Conservation Initiative, 2012  
 Certificate of Appreciation, USDA, 2011  
 Fellow, Society for Range Management, 2010  
 Distinguished Service, Society for Range Management, 2009  
 Science Findings Award, USDA Forest Service, PNW Research Station, 1998.  
 Exemplary Service Award, Pacific Northwest Section of the Society for Range Management, 1997.  
 Who's Who in the American West, 1992, 1993, 1994, 1995 Marquis Edition.  
 Who's Who in the World, 1996 Marquis 13th Edition.  
 James and Mildred Oldfield Team Award, College of Agricultural Sciences, Oregon State University, 1991.  
 USDA Certificate of Training, Land Management Planning, 1980  
 Outstanding Achievement Award, Department of Rangeland Resources, Oregon State University, 1978.  
 Graduate Fellow and President's Fellow, Utah State University, 1982-1983

### **Invited Presentations**

“Sustainable Ranching.” Wyoming Stock Growers Association, Cody, Wyoming. June 2014.  
 “Food Security and Rangeland Sustainability: How do You Know?” Animal Science Senior Seminar, University of Wyoming. March 2013, March 2014.  
 “How to Review a Manuscript.” RenUW and Program in Ecology graduate student organizations. University of Wyoming. March 2013.  
 “The Seminar Presentation.” Academic Interview Workshop. Society for Range Management, Oklahoma City, OK. February 2013.  
 “The Offer: Negotiating Salary, Benefits, and Start-up Funds.” Academic Interview Workshop. Society for Range Management, Oklahoma City, OK. February 2013.

- “Rangeland Ecology Graduate Programs.” Workshop. Society for Range Management, Spokane, WA. January 2012.
- “Economic and Social Impacts of Desert Fires and Invasives.” Wildfires and Invasive Plants in American Deserts. Society for Range Management, Reno, NV. December 2008.
- “Why Think about Economics when Restoring the Sagebrush Steppe?” Restoring the West 2007 Conference: Sagebrush Steppe Restoration. Utah State University, Logan, UT, September 2007.
- “Economic and Social Aspects of Cheatgrass Restoration.” Idaho Section of the Society for Range Management Annual Meeting. Boise, ID. January 2007.
- “The Society for Range Management and the Grazing Lands Conservation Initiative.” 3<sup>rd</sup> National Conference on Grazing Lands. Grazing Lands Conservation Initiative Meeting. St. Louis, MO. December 2006.
- “Social, Political, and Economic Factors and Implications to Rangelands and Their Management.” Inaugural Session of Rangeland Management for Line Officers, USDA Forest Service. Milford, PA. April 20, 2006.
- “Implications for Land Use Policy and Sustainability of Western Rangelands.” In: Symposium: Western Ranching as a Way of Life: Implications for Land Use Policy and Sustainable Rangelands. Western Agricultural Economics Association Annual Meeting, Waikiki, HI. July 2, 2004.
- “Collaboration on the John Day-Snake Resource Advisory Council.” Panelist, The Importance of Collaboration. USDI Bureau of Land Management New Employees Training. May 2004.
- “Sage Grouse Recovery: Estimating the Economic Impacts.” Rimbey, N.R., L.A. Torell, J. Tanaka, T. Darden, L.W. Van Tassell, and A. Harp. New Mexico Section Annual SRM meeting, Albuquerque, NM. Jan. 21-23, 2003.
- “Academic Employment.” Panelist, Meet the Employers: Industry, Non-profits, State & Local Government, and Academics. 17<sup>th</sup> Annual Career Fair and Training Conference of the National Society for Minorities in Agriculture, Natural Resources, and Related Sciences. Portland, Oregon. April 2002.
- “AUMS, Ranching, and Values.” 2002 Farm Income Seminar, Oregon Department of Revenue. Pendleton, Oregon. April 2002.
- “AUMs, Grazing, and Values.” 2001 Farm Income Seminar, Oregon Department of Revenue. Pendleton, Oregon. April 2001.
- “So You Want to Build a Web Page?” Society for Range Management. Kona, Hawaii. February 2001.
- “Who are These Public Land Ranchers?” Pacific Northwest Section of the Society for Range Management, Lakeview, Oregon. October 2001.
- “Who are These Public Land Ranchers?” New Mexico Section of the Society for Range Management, Albuquerque, New Mexico. January 2001.
- “Lessons Learned from the Blue Mountains Natural Resources Institute.” Governing Board, Policy Analysis Center for Western Public Lands. Albuquerque, New Mexico. January 2001.
- “Economics of Offstream Water Developments to Manage Grazing in Riparian Areas.” Bully Creek Watershed Council. Vale, Oregon. March 1999.



- "Economics of Offstream Water Developments to Manage Grazing in Riparian Areas." Oregon Chapter of the American Fisheries Society Annual Meeting. Sunriver, Oregon. February 1999.
- "Impacts of Grazing Policy on Ranching Practices and Ranch Income." West. Agr. Econ. Assoc. invited paper session "The Impacts of Federal Grazing Policy on Ranches and Communities." 1998 Amer. Agr. Econ. Assoc. Annual Meeting, Salt Lake City, Utah, August 1998.
- "Using the Internet." Pacific Northwest Section Society for Range Management Annual Meeting. Spokane, Washington. October 1997.
- "Can We REALLY Work Together." Riparian and Watershed Management in the Interior Northwest: An Interdisciplinary Perspective Symposium. La Grande, Oregon. September 1997.
- "Rangelands: Economics and Issues." Guest lecture in AREc 551, Natural Resource Economics. Spring Quarter 1997.
- "The Blue Mountains Natural Resources Institute: Issues from the Eastside." Seminar presented to the Oregon State University Department of Agricultural and Resource Economics. Corvallis, Oregon. May 1996.
- "Federal Advisory Committee Act: Working for a Better Future." Roundtable sponsored by the Forest Trust. Washington, D.C. March 1995.
- "Land Use Issue Forum: Working Together on Land Use Issues." Workshop sponsored by the National Rural Development Councils. Washington, D.C. March 1995.
- "Experience with Seeking a Better Way." Resources and Rural Communities Forum: Seeking Better Ways to Handle Land Use Issues. Oregon Rural Development Council and Washington State Rural Development Council. Pendleton, Oregon. February 1995.
- "The Blue Mountains Natural Resources Institute: Working Together for Economic, Social, and Ecological Balance." Seminar to the Columbia Basin Agricultural Research Center (Oregon State University and USDA Agricultural Research Service). Pendleton, Oregon. February 1995.
- "The Blue Mountains Natural Resources Institute: Working Together for Economic, Social, and Ecological Balance." Seminar to the Oregon State University Department of Agricultural and Resource Economics. Corvallis, Oregon. February 1995.
- "How Does Ecosystem Management Affect Me?" People and Ecosystems Forum. La Grande-Union County Chamber of Commerce and Blue Mountains Natural Resources Institute. La Grande, Oregon. February 1995.
- "How Does Ecosystem Management Affect Me?" People and Ecosystems Forum. Elgin Community Center, Elgin Recorder, and Blue Mountains Natural Resources Institute. Elgin, Oregon. January 1995.
- "Introduction and Welcome." Sustaining Rangeland Ecosystems Symposium. La Grande, Oregon. August 1994.
- "Economic and Social Perspectives in Ecosystem Management." Managing Landscapes and Ecosystems Workshop. John Day, Oregon. June 1994.
- "Research Activities of the Blue Mountains Natural Resources Institute." Testimony before the Oregon House Appropriations Committee A -- Lottery Subcommittee. May 1993.
- "Forest Health, Science, and the Blue Mountains Natural Resources Institute." American Association of University

Women, La Grande, Oregon. May 1993.

"Forest Health Issues in the Blue Mountains." La Grande-Union County Chamber of Commerce Leadership Seminar, La Grande, Oregon. December 1992.

"The Blue Mountains Natural Resources Institute." Panorama Chapter, Society of American Foresters, Colville, Washington, June 1992.

"Natural Resource Policy and Economics in a Fast Moving World, or Jumping in with Both Feet -- The Blue Mountains Natural Resources Institute." Seminar: Economics of Natural Resource Policy, Oregon State University (AREc 407A/507A), Corvallis, Oregon. February 18, 1992 over Oregon Ed-Net.

"Range Management and Grazing on National Forests: Policy and Analysis." 1989 International Seminar on Forest Administration and Management. Session held in Redmond, Oregon.

"Assessing Economics of Fee Hunting Decisions and Ranch Planning." Range Extension Agent Training, John Day, Oregon, July 1987.

"Economics of Range Revegetation." Perspectives and Processes in Revegetation Science, Symposium held at the 43rd Annual Meeting, Society for Range Management, Reno, Nevada, 1990. (Presenting author).

"Economic interactions/tradeoffs to consider when developing a recreation resource." Paper presented at Pacific Northwest Range Management Short Course, Pendleton, Oregon, January 1987.

"Increasing grass production by reducing overstory competition: an optimization procedure." Paper presented at Crested Wheatgrass: Its Values, Problems and Myths; Symposium, Logan, Utah, October 1983.

### **Participation in Professional Meetings**

Moderator, Symposium, Available for your Foraging Pleasure: Open Access to Rangeland Knowledge Resources, a hands-on workshop. 65<sup>th</sup> Annual Meeting, Society for Range Management, Spokane, Washington. 2012.

Moderator, Sustainable Ranch Management through Business Planning and Rangeland Monitoring workshop. 64<sup>th</sup> Annual Meeting, Society for Range Management, Billings, Montana. 2011.

Moderator, Plenary Session, Wyoming Section of the Society for Range Management Annual Meeting, Laramie, WY. 2010.

Moderator, Symposium: Western Rangelands Partnership: Using the internet for information transfer. 62<sup>nd</sup> Annual Meeting, Society for Range Management, Albuquerque, New Mexico. 2009.

Moderator, Plenary Session, Wildfires and Invasive Plants in American Deserts. Society for Range Management Center for Professional Education and Development. Reno, Nevada, December 2008.

Moderator, Resource and Environmental Economics Session, Western Agricultural Economics Association Annual Meeting, Anchorage, Alaska, June 2006.

Moderator, Social Science Concurrent Session. Society for Range Management Annual Meeting, Boise, Idaho, February 2000.

Chair, Riparian and Watershed Management in the Interior Northwest: An Interdisciplinary Perspective Symposium. Jointly organized by the Pacific Northwest Section of the Society for Range Management, Oregon Chapter of The Wildlife Society, Oregon Chapter of the American Fisheries Society, Oregon Chapter of the Society of American Foresters, and the Blue Mountains Natural Resources Institute, La Grande, Oregon, September 1997.

Moderator, Use, Misuse and Meaning of Utilization and Stubble Height Measurements Symposium, Society for

- Range Management Annual Meeting, Rapid City, South Dakota, February 1997.
- Local arrangements committee, Pacific Northwest Section of the Society for Range Management Annual Meeting, The Dalles, Oregon, October 1995.
- Local arrangements, Western Regional Coordinating Committee 55 - Rangeland Economics, Annual Meeting, Clarkston, Washington, October 1994.
- Co-Chair, Sustaining Rangeland Ecosystems Symposium, Jointly organized by the Pacific Northwest Section of the Society for Range Management, Oregon Chapter of The Wildlife Society, Oregon Chapter of the American Fisheries Society, and the Blue Mountains Natural Resources Institute, La Grande, Oregon, August 1994.
- Moderator, Social and Economic Aspects and Closing Plenary Sessions, Sustaining Rangeland Ecosystems Symposium, La Grande, Oregon, August 1994.
- Moderator, Grazing Fees on Public Lands Concurrent Session, Society for Range Management Annual Meeting, Colorado Springs, Colorado, February 1994.
- Moderator, Rangeland Economics Concurrent Session, Society for Range Management Annual Meeting, Albuquerque, New Mexico, February 1993.
- Program Chair and Local Arrangements Committee for the Pacific Northwest Section of the Society for Range Management, Salishan Lodge, Gleneden Beach, Oregon, 1992.
- Moderator, Rangeland Social Science Concurrent Session. Society for Range Management Annual Meeting, Spokane, Washington, February 1992.
- Co-Registrar and local arrangements committee for the Society for Range Management Annual Meeting, Spokane, Washington, February 1992.
- Local Arrangements Committee Chairman for the Pacific Northwest Section of the Society for Range Management Summer Tour, La Grande, Oregon, 1991.
- Local Arrangements Committee for the Pacific Northwest Section of the Society for Range Management, Salishan Lodge, Gleneden Beach, Oregon, 1989.
- Chairman, Undergraduate Range Management Examination, Society for Range Management, 1987-1991.
- Local arrangements committee, Arizona Section, Society for Range Management Annual Meeting, Tucson, Arizona 1981.
- Local arrangements committee for Society for Range Management Annual Meeting, Portland, Oregon, 1977.

## **Publications**

### **Refereed Journal Articles**

- Briske, D.D., B.T. Bestelmeyer, J.R. Brown, M.W. Brunson, T.L. Thurow, and J.A. Tanaka. 2016. Assessment of USDA-NRCS rangeland conservation programs: recommendation for an evidence-based conservation platform. Ecological Applications. Accepted Author Manuscript. doi:10.1002/eap.1414.
- Hamilton, T.W., J.P. Ritten, C.T. Bastian, J.D. Derner, and J.A. Tanaka. 2016. Economic impacts of increasing seasonal precipitation variation on southeast Wyoming cow-calf enterprises. Rangeland Ecology and Management. In press.
- Rimbey, N.R., J.A. Tanaka, and L.A. Torell. 2015. Economic considerations of livestock grazing on public lands in the United States of America. Animal Frontiers 5:32-35.

- Svejcar, T., C. Boyd, K. Davies, M. Madsen, J. Bates, R. Sheley, C. Marlow, D. Bohnert, M. Borman, R. Mata-Gonzalez, J. Buckhouse, T. Stringam, B. Perryman, S. Swanson, K. Tate, M. George, G. Ruyle, B. Roundy, C. Call, K. Jensen, K. Launchbaugh, A. Gearhart, L. Vermiere, J. Tanaka, J. Derner, G. Frasier, and K. Havstad. 2014. Western land managers will need all available tools for adapting to climate change, including grazing: a critique of Beschta et al. *Environmental Management* 53:1035-1038.
- Torell, L.A., N.R. Rimbey, J.A. Tanaka, D.T. Taylor, and J.D. Wulforst. 2014. Ranch level economic impact analysis for public lands: a guide to methods, issues, and applications. *Journal of Rangeland Applications* 1:1-13.
- Boyd, C.S., J.L. Beck, and J.A. Tanaka. 2014. Livestock grazing and sage-grouse habitat: impacts and opportunities. *Journal of Rangeland Applications* 1:58-77.
- Torell, L.A., G.L. Torell, J.A. Tanaka, and N.R. Rimbey. 2013. The potential of valuing rangeland ecosystem services on public rangelands. *Western Economic Forum* 12:40-46.
- Maher, A.T., J.A. Tanaka, and N. Rimbey. 2013. Economic risks of cheatgrass invasion on a simulated eastern Oregon ranch. *Rangeland Ecology and Management* 66:356-363.
- Kreuter, U.P., W.E. Fox, J.A. Tanaka, K.A. Maczko, D.W. McCollum, J.E. Mitchell, C.S. Duke, and L. Hidinger. 2012. Framework for comparing ecosystem impacts of developing unconventional energy resources on western US rangelands. *Rangeland Ecology and Management* 65:433-443.
- Tanaka, J., C. Call, L. Abbott, and K. Hickman. 2012. Teaching to learn and learning to teach: education in rangeland ecology and management. *Rangelands* 34:3-5.
- Tanaka, J., B. Hutchinson, M. Fraker-Marble, R. Frost, K. Launchbaugh, and M. George. 2012. Using rangeland on the web as a teaching resource. *Rangelands* 34:39-40.
- Maczko, Kristie A., John A. Tanaka, Michael Smith, Cindy Garretson-Weibel, Stanley F. Hamilton, John E. Mitchell, Gene Fults, Charles Stanley, Dick Loper, Larry D. Bryant, and J. K. "Rooter" Brite, Jr. 2012. Ranch Business Planning and Resource Monitoring for Rangeland Sustainability. *Rangelands* 34:11-18.
- Brunson, M.W., and J.A. Tanaka. 2011. Economic and social impacts of wildfires and invasive plants in American deserts: lessons from the Great Basin. *Rangeland Ecology and Management* 64:463-470.
- Maczko, K., J.A. Tanaka, R. Breckenridge, L. Hidinger, H.T. Heintz, W.E. Fox, U.P. Kreuter, C.S. Duke, J.E. Mitchell, and D.W. McCollum. 2011. Rangeland Ecosystem Goods and Services: Values and Evaluation of Opportunities for Ranchers and Land Managers. *Rangelands* 33(5):30-36.
- Hutchinson, B., J. Pfander, J. Tanaka, and J. Clark. 2011. Rangelands West/Global Rangelands, eXtension Rangelands, and the Range Science Information System: a suite of new web resources. *Rangelands* 33(4):55-63.
- Fox, W.E., D.W. McCollum, J.E. Mitchell, L.E. Swanson, U.P. Kreuter, J.A. Tanaka, G.R. Evans, and H.T. Heintz. 2009. An Integrated Social, Economic, and Ecologic Conceptual (ISEEC) Framework for Considering Rangeland Sustainability. *Society and Natural Resources* 22:593-606.
- Rimbey, N.R., L.A. Torell, and J.A. Tanaka. 2007. Why Grazing Permits Have Economic Value. *Journal of Agricultural and Resource Economics* 32:20-40.
- Tanaka, J.A., L.A. Torell, and N.R. Rimbey. 2005. Who Are Public Land Ranchers and Why Are They Out There? *Western Economics Forum* 4:14-20.

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- Torell, L.A., N.R. Rimbey, J.A. Tanaka, and S.A. Bailey. 2001. The Lack of a Profit Motive for Ranching: Implications for Policy Analysis. Abstract of paper presented at the 54<sup>th</sup> Annual Meeting, Society for Range Management, Kona, Hawaii.
- Torell, L.A., N.R. Rimbey, E.T. Bartlett, L.W. Van Tassell, and J.A. Tanaka. 2001. An Evaluation of the PRIA Grazing Fee Formula. Abstract of paper presented at the 54<sup>th</sup> Annual Meeting, Society for Range Management, Kona, Hawaii.
- Gentner, B.J., and J.A. Tanaka. 2000. Characteristics of public land grazing permittees. Abstract of paper presented at the 53<sup>rd</sup> Annual Meeting, Society for Range Management, Boise, Idaho.
- Sharp, J., J.A. Tanaka, N.R. Rimbey, T. Delcurto, P.A. Momont, M.L. McInnis, and C. Parsons. 2000. An economic analysis of grazing best management practices to improve riparian functioning and water quality. Abstract of paper presented at the 53<sup>rd</sup> Annual Meeting, Society for Range Management, Boise, Idaho.
- Tanaka, J.A., N.R. Rimbey, and A.M. Stillings. 1999. Economics of grazing management in riparian areas. Abstract of paper presented at the 52<sup>nd</sup> Annual Meeting, Society for Range Management, Omaha, Nebraska.
- Dickard, M.L., C. Hunt, P.A. Momont, N.R. Rimbey, T. Delcurto, M.L. McInnis, A. Stillings, and J.A. Tanaka. 1998. Offstream water and salting as management strategies for improved cattle distribution and subsequent riparian health. Abstract of paper presented at the 51<sup>st</sup> Annual Meeting, Society for Range Management, Guadalajara, Mexico.
- Tanaka, John A., Thomas M. Quigley, James McIver, G. Lynn Starr, and Raymond G. Jaindl. 1994. Natural resources in the Blue Mountains: issues, strategies, and recommendations. Abstract of paper presented at the 47th Annual Meeting, Society for Range Management, Colorado Springs, Colorado.
- Starr, G. Lynn, Patty Burel, Pat Lichen, Thomas M. Quigley, James McIver, and John A. Tanaka. 1994. Forging a common vision for stewardship of the Blue Mountains: the Blue Mountains Natural Resources Institute. Abstract of poster presented at the 47th Annual Meeting, Society for Range Management, Colorado Springs, Colorado.
- Rimbey, Neil R., M. Henry Robison, John A. Tanaka, Thomas M. Quigley, and James N. Hawkins. 1993. Economic impacts of grazing adjustments in the Stanley Basin, Idaho. Abstract of paper presented at 46th Annual Meeting, Society for Range Management, Albuquerque, New Mexico.
- McInnis, M.L., L.L. Larson, R.F. Miller, and J.A. Tanaka. 1990. Chemical composition of whitetop. Abstract of paper presented at 43rd Annual Meeting, Society for Range Management, Reno, Nevada.
- Larson, L.L., M.L. McInnis, R.F. Miller, and J.A. Tanaka. 1990. Whitetop (*Cardaria draba* (L.) Hand.) encroachment in the sagebrush ecosystem of Oregon. Abstract of paper presented at 43rd Annual Meeting, Society for Range Management, Reno, Nevada.
- Torell, L.A., and J.A. Tanaka. 1990. Opportunity for traditional methodology in range and ranch economics. Abstract of paper presented at 43rd Annual Meeting, Society for Range Management, Reno, Nevada.
- Workman, J.P., and J.A. Tanaka. 1990. Economic analysis in range revegetation. Abstract of paper presented in an Invited Symposium at 43rd Annual Meeting, Society for Range Management, Reno, Nevada. (presenting author).

Tanaka, John A., L. Allen Torell, and John P. Workman. 1987. FEEDSTORIS: A ranch planning micro-computer program. In: R.S. White, and R.E. Short (eds), Achieving Efficient Use of Rangeland Resources, Fort Keough Research Symposium, Miles City, Montana.

Despain, Del W., and John A. Tanaka. 1986. Vegetation regeneration after severe flooding along Burro Creek in Arizona. Abstract of poster presented at 39th Annual Meeting, Society for Range Management, Kissimmee, Florida.

Tanaka, John A., John P. Workman, and L. Allen Torell. 1986. Optimal decisions in managing big sagebrush/crested wheatgrass stands. Abstract of paper presented at 39th Annual Meeting, Society for Range Management, Kissimmee, Florida.

Tanaka, John A., and John P. Workman. 1985. Estimating optimum overstory vegetation reduction for increasing understory production -- An economic analysis. Abstract of paper presented at 38th Annual Meeting, Society for Range Management, Salt Lake City, Utah.

Tanaka, John A., Jimmy T. LaBaume, and Del W. Despain. 1982. Range Research Task Force: Applied research in Arizona. Abstract of paper presented at 35th Annual Meeting, Society for Range Management, Calgary, Alberta Canada.

#### Reports

Tanaka, J.A., A. Blevins, K. Jensen, N.R. Rimbey, D.T. Taylor, L. Allen Torell, and J.D. Wulfhorst. 2009. Assessment of Social and Economic Capabilities – USDI Bureau of Land Management. Final Report – Task Order HAF063F26. 430 p.

Tanaka, J., L.A. Torell, L.V. Swanson, M. Brunson, D. McCollum, and H.T. Heintz. 2003. Indicators for Maintenance and Enhancement of Multiple Economic and Social Benefits to Current and Future Generations. pp. V:1-28. In: J.E. Mitchell (ed.), Criteria and Indicators for Sustainable Rangelands: A First Approximation Report, Sustainable Rangeland Roundtable, U.S. Forest Service, Rocky Mountain Exp. Sta., Available online at <http://sustainableangelands.cnr.colostate.edu/2003Report/2003Report.htm>.

Tanaka, John A. 2002. Regional Economic Impact Assessment Model for Invasive Plants in the Blue Mountains Demonstration Area. Submitted to the USDA Forest Service, Pacific Northwest Research Station.

Tanaka, John A. 1994. Economic analysis of the proposed grazing rules for state land. Submitted to the Oregon Division of State Lands.

Tanaka, John A., and Thomas M. Quigley. 1991. Economic analysis of anadromous fish and livestock grazing for the Stanley Basin C&H Allotment Management Plan Environmental Impact Statement. Submitted to the Sawtooth National Forest, March 20.

Despain, Del W., and John A. Tanaka. 1983. Evaluation of prescribed burning on the Hualapai Indian Reservation, Final Report - Phase I. Range Research Task Force, Division of Range Resources, School of Renewable Natural Resources, University of Arizona.

#### Video

Tanaka, John A. 1997. Economics in wildlife management. Oregon State Univ., Dep. Fisheries and Wildl., Corvallis. 48:25 min. video.

**Reviews of Manuscripts**

Guest Editor, Rangelands special issue, Vol. 34, No. 3.  
 Journal of Range Management  
 Rangeland Ecology and Management  
 Journal of Range Management, Associate Editor (1994-1998)  
 Rangelands  
 Western Economics Forum  
 Western Journal of Agricultural Economics  
 Canadian Journal of Agricultural Economics  
 Lincoln Library Press – Worldmark Encyclopedia of US and Canadian Environmental Issues

**Teaching, Curriculum Development, and Advising****Teaching Experience (Oregon State University)**

Courses Taught - Course numbers in parentheses are numbers for the same class before reorganization.

AG 199	An Introduction to Economic Development in Rural Counties
AREc 101	Introduction to Agricultural and Resource Economics
AREc 111 (Ag 251)	Computers in Agriculture
AREc 211	Management in Agriculture
AREc 250	Introduction to Environmental Economics
AREc 312	Intermediate Microeconomic Theory
AREc 358 (313)	Intermediate Microeconomic Theory
AREc 351 (451)	Natural Resource Management
AREc 361 (411)	Agricultural and Food Policy Issues
AREc 371 (447)	Agricultural Price Analysis
AREc 407	Senior Seminar
AREc 454	Rural Development Economics and Policy
AREc 461	Agricultural and Food Policy Issues
AREc 462	International Agricultural Development
AREc 471	Agribusiness Management Strategies
AED 518	Summer Agriculture Institute

**Other Teaching Experience (Utah State University)**

Range Resource Economics	1983
Ranch Inventory and Management Planning	1984
Introduction to Natural Resources	1985

**Undergraduate Advising**

	<u>Freshmen-Sophomores</u>	<u>Juniors-Seniors</u>
1986-1987	8	2
1987-1988	8	4
1988-1989	17	9
1989-1990	13	12
1990-1991	17	11
1991-1992	19	8
1992-1993	8	2
2012-2013	2	3
2013-2014	4	8

**Graduate Advising**

Major Professor	Degree	Date Completed
Vic Conrad	M.S.	Did Not Finish
Clay Landry	M.S.	Changed Topic
Amy Stillings	M.S.	1997
Jani Brackett	M.S.	Did Not Finish
Brad Gentner	M.S.	1999
Gwendolyn Aldrich	M.S.	2002
Jeff Sharp	M.S.	2004
Laura Nalle	M.S.	Transfer to Univ. Nev. Reno
Wenfang Tao	M.A.I.S.	2004
Vijayanand Satyal	Ph.D.	2006
Anna Maher	M.S.	2007
Anna Maher	Ph.D.	In Progress (OSU)
Leticia Varelas	Ph.D.	In Progress (UW)
Brianne Lind	M.S.	2015 (UW)
Philip Lavallee	M.S.	Did Not Finish (UW)
Anna Collins	M.S.	In Progress (UW)
Committee Member		
Jon Bates	M.S.	1989
Siân Mooney	Ph.D.	1997
Marni Porath (Animal Science, Univ. of ID)	M.S.	1997
Jordan Steele	M.S. (AAE)	2012 (UW)
Dean Hirt	M.S. (ENR)	2012 (UW)
Tucker Hamilton	M.S. (AAE)	2015 (UW)
Kaitlyn McCollum	M.S. (AAE)	In Progress (UW)
Holly Dyer	M.S. (AAE)	In Progress (UW)
Graduate School Representative		
Keiko Yamaguchi (Rangeland Resources)	M.S.	1993
Teresa Smergut (Rangeland Resources)	M.S.	1991
Allan Brazier (Education)	Ed.D.	1997



**University, College, and Departmental Committee Activity**

## University of Wyoming

- Search Committee, Department Head, Animal Sciences, 2013-14; 2014-15.
- Search Committee, Department Head, Plant Sciences, 2013-14.
- Foundation Reports Task Force, 2010.
- Agricultural Education Curriculum Committee, 2010-2011.
- Search Committee, Cooperative Extension Service Associate Director, 2009-2010.
- Agricultural Experiment Station, Competitive Grants Selection Committee, 2009.
- Wyoming Cooperative Extension Service, Competitive Grants Selection Committee, 2011.
- James C. Hagerman Sustainable Agricultural Research and Extension Center, Management Advisory Committee, 2010.
- James C. Hagerman Sustainable Agricultural Research and Extension Center, Administration Advisory Committee, 2011-present.
- University of Wyoming Extension Academic Planning Task Force, 2013.
- University of Wyoming LIFE Program Executive Steering Committee, 2013 (core biological sciences courses).
- Search Committee, Plant Sciences Department Head, 2014.
- Search Committee, Animal Sciences Department Head, 2014.

## Oregon State University

- Department of Agricultural and Resource Economics
  - Undergraduate Task Group, 1992-1993
  - Awards Committee, 1992-1994
  - Undergraduate Committee, 1986-1989, 1995-1997
  - Graduate Committee, 1997-2003
  - Graduate Admissions Committee, 1997-1999
  - Computing Committee, 1998-2000
  - Coach, AAEE Academic Quiz Bowl Team, 1995-2000
  - Advisor, OSU Agricultural and Resource Economics/Agribusiness Management Club, 1995-2000
  - Faculty Governance Committee (elected), 1996-1999
- College of Agricultural Sciences
  - Curriculum Committee, 1986-1989
  - Undergraduate Awards Committee, 1996
  - Search Committee, Rangeland Ecology and Management Department Head, 2006-07
- University
  - Undergraduate Admissions Committee, 1996-2000 (Chair 1997-2000)
  - Ad hoc committee on Proficiency-based Admissions (PASS), 1998-2000
  - Enrollment Work Group, 1999-2000
  - Judge for the Graduate Student Association Paper Presentation Competition, 1998, 1999
  - Faculty Senate Ad Hoc Committee on Off-Campus Representation, 2006

## Eastern Oregon State College

- Faculty Advisor for the EOSC Agriculture Club, 1988-1991
- Search Committee for Admissions Counselors, 1989
- Search Committee for Admissions Counselors, June 1991
- Search Committee for Admissions Counselors, August 1991
- New Student Days, 1986, 1988, 1989, 1990. Conducting new student orientation sessions, hosting new student parties, and planning events with the Admissions Office

**Other Service and Activities**

Life Member, National FFA Alumni Association

Webmaster, Oregon Rangelands website

Union County Fair, auction photographer and sheep barn superintendent

Eastern Oregon Livestock Show, auction photographer

Hoot n' Nannies 4-H club leader (dairy goats)

Oregon School Activities Association Volleyball Official, 2002-2007

Little League (Juniors) Girls Softball Coach, 2003

Little League (Juniors) Girls Softball All-Star Team Coach, 2003

Little League (Majors) Girls Softball All-Star Team Manager, 2002

Little League (Majors) Girls Softball Team Manager, 2002

Cove Education Foundation, Board Member, 2002

Cove-Union Philadelphia Trip, Treasurer, 2001-2004

Zion Lutheran School (Corvallis), School Board Committee, member 1998-2000, Chair 1999-2000

Zion Lutheran School Call (Search) Committee for 2<sup>nd</sup> and 8<sup>th</sup> grade teachers and principal, 1999