

# Thomas Foulke

## Curriculum Vita

### Education

M.S. 1992 University of Wyoming. Agricultural Economics and Water Resources. Thesis title: *The Economic Analysis of an In-stream Flow Model in the Wind River Using Federally Reserved Water Rights*.

B.A. 1985 University of Montana. Geography, Geology emphasis.

### Employment History

July, 2010: Senior Research Scientist, Community Economic Development Specialist, University of Wyoming Dept. of Agricultural and Applied Economics. Extended-term appointment. *Reappointed, 2016*.

2005-2010: Associate Research Scientist, Community Economic Development Specialist, University of Wyoming Dept. of Agricultural and Applied Economics. Extended-term appointment.

2001-2005: Assistant Research Scientist, Community Economic Development Specialist, University of Wyoming Dept. of Agricultural and Applied Economics, (50% Research/50% Extension).

1998-2001: Information Specialist, University of Wyoming Dept. of Agricultural and Applied Economics.

1995-1998: Maintenance Technician, University of Wyoming Preventive Maintenance.

1993-1995: Auxiliary Operator, University of Wyoming Central Energy Plant.

1985-1989: U.S. Navy officer (Lieutenant), Engineering Department, USS Hermitage, LSD-34.

### Publications

#### **Book Chapter**

Foulke, Thomas, David T. Taylor and Roger H. Coupal. 'Chapter 6: Modeling the Economic Impacts of Critical Habitat Designation'. In *New Perspectives on Agri-environmental Policies: a Multidisciplinary and Transatlantic Approach*. Routledge. New York. 2010.

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Nagler, Amy, Christopher T. Bastian, David T. Taylor and Thomas K. Foulke. *Community Economic Contributions from Recreational Trails Usage on Public Lands: Implications from a Comprehensive Wyoming Case Study*. Western Economic Forum. Volume 12, Number 2, page 1. Fall, 2013.

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Reddy, K.J., Morris D. Argyle, Brandon Reynolds, Ajaya K. Sankara Warriar, David T. Taylor, Thomas Foulke and Paul Fahlsing. *SequesTech Direct Capture and Mineralization of Flue Gas CO<sub>2</sub>*. G.I.T Laboratory Journal. September-October, 2011.

Moriel, P., V. Nayigihugu, B. I. Cappelozza, E. P. Goncalves, J. M. Krall, T. Foulke, K. M. Cammack and B. W. Hess. *Camelina Meal and Crude Glycerin as Feed Supplements for Developing Replacement Beef Heifers*. Journal of Animal Science. 89:4314-4324 August, 2011. <http://www.journalofanimalscience.org/content/89/12/4314>

Foulke, Thomas and Bret Hess. *Dryland Camelina, A Systems Approach to On-Farm Feed and Fuel: Preliminary Results*. In Proceedings of the 18<sup>th</sup> International Farm Management Congress. Volume 1, Pages 204-213. March, 2011. [http://www.ifmaonline.org/pages/con\\_articles.php?article=8](http://www.ifmaonline.org/pages/con_articles.php?article=8)

Reddy, Katta J., Hollis Weber, Pradip Bhattacharyya, Morris D. Argyle, David T. Taylor, Mikol Christensen, Thomas Foulke and Paul Fahlsing. *Instantaneous Capture and Mineralization of Flue Gas Carbon Dioxide: Pilot Scale Studies*. Nature Proceedings. Available from: <http://precedings.nature.com/documents/5404/version/1> January, 2011.

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Reddy, K.J., S. John, H.W. Weber, M.D. Argyle, P. Bhattacharyya, D.T. Taylor, M. Christensen, T. Foulke, and P.M. Fahlsing. 2010. *Accelerated mineral carbonation (AMC) of flue gas carbon dioxide: Pilot scale study*. In: Ron Zevenhoven (ed) conference proceedings of 3<sup>rd</sup> Accelerated Carbonation for Environmental and Materials Engineering, Abo Academy University, Turku, Finland, pp303-312.

Rashford, Benjamin S., Thomas Foulke and David T. Taylor. *Ranch-Level Economic Impacts of Predation in a Range Livestock System*. Rangelands. June, 2010. p21-26.

Foulke, Thomas, Chris T. Bastian, David T. Taylor, Roger H. Coupal and Desiree Olson. *Off-road Vehicle Recreation in the West: Implications of a Wyoming Analysis*. The Western Economic Forum, Vol. 7, No. 2. Fall, 2008. Available from:  
<http://agecon.uwyo.edu/waea/WEForum/WEF-Vol.7-No.2-Fall2008.pdf>

Torok, S.J., F.V. Seamon, David T. Taylor and Thomas Foulke. *U.S. Bison Census and Value of Production, 1997*. Accepted by: The Journal of the American Society of Farm Managers and Rural Appraisers, 2001.

### **Other Publications, First Author**

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[http://www.uwyo.edu/uwexpstn/publications/reflections/reflections\\_2020\\_web.pdf](http://www.uwyo.edu/uwexpstn/publications/reflections/reflections_2020_web.pdf)

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[http://erurfamilies.uwagec.org/Newsreleases/2014\\_10\\_NEWSLETTER.pdf](http://erurfamilies.uwagec.org/Newsreleases/2014_10_NEWSLETTER.pdf) .

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[http://www.wyomingextension.org/publications/Search\\_Details.asp?pubid=1850](http://www.wyomingextension.org/publications/Search_Details.asp?pubid=1850) .

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[http://www.wyomingextension.org/publications/Search\\_Details.asp?pubid=1835](http://www.wyomingextension.org/publications/Search_Details.asp?pubid=1835) .

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Foulke, Thomas. "Agriculture's Impact: It's all in your perspective". In *Barnyards & Backyards* newspaper insert. University of Wyoming Cooperative Extension Service. Laramie, WY. April, 2009.

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Foulke, T., R. H. Coupal and D. T. Taylor. *2005 Payment in Lieu of Taxes to Wyoming Counties*. University of Wyoming Cooperative Extension Service, University of Wyoming, B-1174AL to B-1174WE. April, 2006.

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Foulke, T., R.H. Coupal and D. T. Taylor. *Trends in Wyoming Agriculture. 1<sup>st</sup> Revision*. University of Wyoming Cooperative Extension Service, University of Wyoming. B-1164 August 2005.

Foulke, Thomas, Roger H. Coupal and David T. Taylor. *What's it worth to you, Preble's II. "Reflections"*. University of Wyoming College of Agriculture. June 2005.

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Foulke, Thomas and David T. Taylor. *A Concise guide to Wyoming Coal: 2004*. The Coal Committee of the Wyoming Mining Association. Cheyenne, Wyoming. August 2004.

Foulke, Thomas, Roger H. Coupal and David T. Taylor. *The Trouble with Preble's "Reflections"*. University of Wyoming College of Agriculture. June 2004.

Foulke, Thomas, Roger H. Coupal and David T. Taylor. *2003 Payment in Lieu of Taxes to Wyoming Counties*. University of Wyoming Cooperative Extension Service. B-1151. February 2004.

Foulke, Thomas and David T. Taylor. *A Concise guide to Wyoming Coal: 2003*. The Coal Committee of the Wyoming Mining Association. Cheyenne, Wyoming. August 2003.

Foulke, Thomas, James Thompson, David Taylor and Roger Coupal. *New Directions in State Lands? "Reflections"*. University of Wyoming College of Agriculture. June 2003.

Foulke, Thomas, Roger H. Coupal and David T. Taylor. *Five-year Summary of Payment in Lieu of Taxes to Wyoming Counties: 1998 to 2002*. University of Wyoming Cooperative Extension Service. B-1138. March 2003.

Foulke, Thomas, Roger H. Coupal and David T. Taylor. *2002 Payment in Lieu of Taxes to Wyoming Counties*. University of Wyoming Cooperative Extension Service. B-1137. March 2003.

Foulke, Thomas, Roger Coupal and David T. Taylor. *Economic Trends in Wyoming's Travel and Tourism Sector*. University of Wyoming Cooperative Extension Service. B-1131. December 2002.

Foulke, Thomas, Roger Coupal and David T. Taylor. *Economic Trends in Wyoming's Minerals Sector: Coal*. University of Wyoming Cooperative Extension Service. B-1116. February 2002.

Foulke, Thomas, Roger Coupal and David T. Taylor. *2001 Payment in Lieu of Taxes to Wyoming Counties*. University of Wyoming Cooperative Extension Service. 23 publications: B-1091AL through B-1091WE. December 2001.

Foulke, Thomas, Roger Coupal and David T. Taylor. *Economic Trends in Wyoming's Minerals: Gas & Oil*. University of Wyoming Cooperative Extension Service. B-1112. August 2001.

Foulke, Thomas, Roger Coupal and David T. Taylor. *Bison Enterprise Budget: Short Grass Prairie, Eastern Wyoming*. University of Wyoming Cooperative Extension Service. B-1092. January 2001.

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Foulke, Thomas, Roger Coupal and David T. Taylor. *Trends in Wyoming Agriculture: Level of Production (1925-1999)*. University of Wyoming Cooperative Extension Service. MP-107. December 2000.

Foulke, Thomas, Roger Coupal and David T. Taylor. *Trends in Wyoming Agriculture: Agricultural Employment (1969-1997)*. University of Wyoming Cooperative Extension Service. MP-106. October 2000.

Foulke, Thomas, Roger Coupal and David T. Taylor. *Trends in Wyoming Agriculture: Size of Operation (1935-1997)*. University of Wyoming Cooperative Extension Service. MP-105. October 2000.

Foulke, Thomas, Roger Coupal and David T. Taylor. *Trends in Wyoming Agriculture: Agricultural Income (1959-1997)*. University of Wyoming Cooperative Extension Service. MP-104. July 2000.

Foulke, Thomas, Roger Coupal and David T. Taylor. *Trends in Wyoming Agriculture: The Changing Demographics of Wyoming's Agricultural Operators (1959-1997)*. University of Wyoming Cooperative Extension Service. MP-103. July 2000.

Foulke, Thomas, Roger Coupal and David T. Taylor. *1999 Payment in Lieu of Taxes to Wyoming Counties*. University of Wyoming Cooperative Extension Service. 23 publications: B-1082AL through B-1082WE. March 2000.

Foulke, Thomas, Roger Coupal and David T. Taylor. *1998 Payment in Lieu of Taxes to Wyoming Counties*. University of Wyoming Cooperative Extension Service. 23 publications: B-1055AL through B-1055WE. November 1999.

### ***Publications, All Other***

Wyoming Mining Association, Foulke, Thomas and Roger H. Coupal (UW contributing authors). *A Concise guide to Wyoming Coal: 2020*. The Wyoming Coal Information Committee of the Wyoming Mining Association. Cheyenne, Wyoming. October, 2020.

Wyoming Mining Association, Foulke, Thomas and Roger H. Coupal (UW contributing authors). *A Concise guide to Wyoming Bentonite: 2020*. The Wyoming Mining Association. Cheyenne, Wyoming. October, 2020

Wyoming Mining Association, Foulke, Thomas and David T. Taylor (UW contributing authors). *A Concise guide to Wyoming Coal: 2019*. The Wyoming Coal Information Committee of the Wyoming Mining Association. Cheyenne, Wyoming. August, 2019.

Wyoming Mining Association, Foulke, Thomas and David T. Taylor (UW contributing authors). *A Concise guide to Wyoming Coal: 2018*. The Wyoming Coal Information Committee of the Wyoming Mining Association. Cheyenne, Wyoming. August, 2018.

Taylor, D.T. and T. Foulke. 2018. *A Johnson County Profile: Socioeconomics*. In cooperation with Johnson County Board of County Commissioners and Wyoming County Commissioners Association, June 2018.

Taylor, D.T. and T. Foulke. 2018. *A Converse County Profile: Socioeconomics*. In cooperation with Converse County Board of County Commissioners and Wyoming County Commissioners Association, June 2018.

Brian Lee, John Ritten and Thomas Foulke. *Crop Enterprise Budget: Conventional Irrigated Alfalfa (established)*, Goshen County, Wyoming. University of Wyoming Extension. B-1315.1. May, 2018.

Brian Lee, John Ritten and Thomas Foulke. *Crop Enterprise Budget: Conventional Irrigated Dry Beans*, Goshen County, Wyoming. University of Wyoming Extension. B-1315.2. May, 2018.

Brian Lee, John Ritten and Thomas Foulke. *Crop Enterprise Budget: Conventional Irrigated Corn for Grain*, Goshen County, Wyoming. University of Wyoming Extension. B-1315.3. May, 2018.

Brian Lee, John Ritten and Thomas Foulke. *Crop Enterprise Budget: Conventional Irrigated Sugarbeet*, Goshen County, Wyoming. University of Wyoming Extension. B-1315.4. May, 2018.

Brian Lee, John Ritten and Thomas Foulke. *Crop Enterprise Budget: No-till Dryland Winter Wheat/Fallow Rotation*, Goshen County, Wyoming. University of Wyoming Extension. B-1315.6. May, 2018.

Brian Lee, John Ritten and Thomas Foulke. *Crop Enterprise Budget: Organic Dryland Winter Wheat/Fallow Rotation*, Goshen County, Wyoming. University of Wyoming Extension. B-1315.7. May, 2018.

David T. Taylor, Thomas Foulke, and Roger Coupal. *The Economic Importance of Wyoming Agricultural Production*. University of Wyoming Extension. B-1314. November, 2017.

Wyoming Mining Association, Foulke, Thomas and David T. Taylor (UW contributing authors). *A Concise guide to Wyoming Coal: 2017*. The Wyoming Coal Information Committee of the Wyoming Mining Association. Cheyenne, Wyoming. August, 2017.

David T. Taylor and Thomas Foulke. *Teton County Related Hunting and Fishing Spending, 2015*. For the Wyoming Wildlife Federation in cooperation with the Wyoming Game & Fish Commission. December, 2016.

David T. Taylor and Thomas Foulke. *Albany County Related Hunting and Fishing Spending, 2015*. For the Wyoming Wildlife Federation in cooperation with the Wyoming Game & Fish Commission. December, 2016.

David T. Taylor and Thomas Foulke. *Campbell County Related Hunting and Fishing Spending, 2015*. For the Wyoming Wildlife Federation in cooperation with the Wyoming Game & Fish Commission. November, 2016.

David T. Taylor and Thomas Foulke. *Sweetwater County Related Hunting and Fishing Spending, 2015*. For the Sweetwater County Commissioners and the Wyoming Wildlife Federation in cooperation with the Wyoming Game & Fish Commission. November, 2016.

David T. Taylor and Thomas Foulke. *Johnson County Related Hunting and Fishing Spending, 2015*. For the Wyoming Wildlife Federation in cooperation with the Wyoming Game & Fish Commission. September, 2016.

David T. Taylor and Thomas Foulke. *Park County Related Hunting and Fishing Spending, 2015*. For the Wyoming Wildlife Federation in cooperation with the Wyoming Game & Fish Commission. September, 2016.

Taylor, D. and T. Foulke. *Fremont County Related Hunting and Fishing Spending, 2015*. For the Wyoming Wildlife Federation in cooperation with the Wyoming Game & Fish



Commission. Department of Agriculture and Applied Economics, University of Wyoming. 2016.

Taylor, D. and T. Foulke. *Socio-Economic Profile for Park County, Wyoming*. For the Wyoming Wildlife Federation in cooperation with the Wyoming Game & Fish Commission. Department of Agricultural and Applied Economics, University of Wyoming. 2016.

Taylor, D. and T. Foulke. *BLM Colorado River District Baseline Socio-economic Report*. Department of Agricultural and Applied Economics, University of Wyoming. December, 2016.

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Wyoming Mining Association, Foulke, Thomas and David T. Taylor (UW contributing authors). *A Concise guide to Wyoming Coal: 2015*. The Wyoming Coal Information Committee of the Wyoming Mining Association. Cheyenne, Wyoming. September, 2015.

Rashford, Benjamin S., Thomas Foulke, David T. Taylor, and Jordan Steele. *Collaboration Across Continents: Predator Compensation Policies in the U.S. and France*. (Winner best article) in "Reflections". University of Wyoming College of Agriculture and Natural Resources, June, 2015.

Taylor, D. and T. Foulke. *Socio-Economic Profile for Sublette County, Wyoming*. Department of Agricultural and Applied Economics, University of Wyoming. 2015.

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L. Allen Torell, John A. Tanaka, John P. Ritten, Neil R. Rimbey, David T. Taylor, and Thomas K. Foulke. *Ranch-Level Economic Impacts of Altering Grazing Policies on Federal Land to Protect the Greater Sage-Grouse*. University of Wyoming Extension. B-1258. June, 2014. Available from: <http://www.wyoextension.org/agpubs/pubs/B1258.pdf>

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Nagler, A., C. Bastian, D. Taylor, and T. Foulke. 2013. *2013 Wyoming State Trail Inventory Report*. Department of Agricultural and Applied Economics, University of Wyoming.

Idaho National Laboratory. Bell, David A., and Thomas Foulke (UW contributing authors). *Energy Development Opportunities for Wyoming*. Prepared for the Wyoming Business Council under DOE Idaho Operations Office Contract DE-AC07-05ID14517. INL/EXT-12-27626. Idaho National Laboratory, Idaho Falls, ID, 83415. November, 2012.

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David T. Taylor, Thomas Foulke and Archie Reeve. *A Case Study in Habitat Equivalency Analysis: The Pacific Connector Gas Pipeline*. For the Western Regional Science Association's 51<sup>st</sup> Annual Meeting. Kauai, HI. February, 2012.

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Foulke, Thomas. *Wyoming Economic Atlas Helps Communities*. University of Wyoming Cooperative Extension Service, "Connections", December 2000.

Hewlett, John P. and Thomas Foulke. *Picture of Ag: How Wyoming Agriculture Stacks Up*. Wyoming Farmer Stockman, September 2000 and Wyoming Livestock Roundup, June 12, 2000.

Torok Steven J., David T. Taylor, Thomas Foulke, Eileen D. Torok. *U.S. Bison Census and Value of Production 1997*. University of Wyoming Cooperative Extension Service. MP-102. May 2000.

Bastian, Chris, Thomas Foulke and John P. Hewlett. *Wyoming Farm and Ranch Land Market: 1990-1992*. University of Wyoming Agricultural Experiment Station. B-999. June 1994.

**'Book Corner' book reviews for "In the Margins" (Dept. Newsletter)**

*The Box: How the Shipping Container Made the World Smaller and the World Economy Bigger. 2<sup>nd</sup> Edition*. Marc Levinson (2016). Princeton University Press, Princeton, New Jersey. In "In the Margins," Vol. 15 No. 1. 2020.

*The Heart of Everything That Is, The Untold Story of Red Cloud*. Bob Drury and Tom Clavin (2014). Simon and Schuster, New York. In "In the Margins," Vol. 12 No. 2. 2017.

*The Company: A Short History of a Revolutionary Idea*. John Micklewait and Adrian Woolridge. The Modern Library (2003). In "In the Margins", Vol. 9. No. 1. 2015.

*The Last Crusade: The Epic Voyages of Vasco Da Gama*. Nigel Cliff (2011). In "In the Margins", Vol. 8. No. 2. 2014.

*Vermeer's Hat: The Seventeenth Century and the Dawn of the Global World*. Timothy Brook (2008) Bloomsbury Press. In "In the Margins," Vol. 8. No. 1. 2014.

*Nothing Like It in the World: The Men Who Built the Transcontinental Railroad*. Steven E. Ambrose (2000) Simon & Schuster, New York. In "In the Margins," Vol. 2. No.7. 2014.

*The Quest: Energy Security, and the Remaking of the Modern World*. Daniel Yergin (2011) The Penguin Press. New York. In "In the Margins," Vol. 7. No. 2. 2013.

*A Grand Pursuit: The Story of Economic Genius*. Sylvia Nasr (2011) Simon & Schuster. In "In the Margins," Vol. 7. No.1. 2013.

*Longitude*. Dava Sobel (1995) Walker Publishing Co. New York. In "In the Margins," Vol 6. No.2. 2012.

*A Splendid Exchange: How Trade Shaped the World*. William J. Bernstein (2008) Atlantic Monthly Press. In "In the Margins," Vol. 6. No.1. 2012.

## **Presentations**

Thomas Foulke. *Wyoming First-Grains Project...Going Forward*. Invited presentation to the Wyoming Agriculture Diversity Summit., 2018, Powell, WY. 22-23 January, 2018.

Thomas Foulke. *Wyoming First-Grains Project, Introduction*. Connecting Extension and Research Conference. Laramie, WY. 13 December, 2017.

Thomas Foulke. *The Coal Industry Today*. Four-States Irrigation Council Annual Conference. Ft. Collins, Colorado. 12 January, 2017.

Thomas Foulke and Nicole Ballenger. *Report on Activities and an Initiative for a Study Abroad Program in Cooperation with the University of New England, NSW, Australia*. Ag Econ Brown-bag Seminar, 21 September, 2016.

Thomas Foulke and Nicole Ballenger. *An Overview of Wyoming Agriculture and Natural Resources*. Presented to the University of New England Business School Seminar Series. Armidale, New South Wales, Australia. 17 August, 2016.

David T. Taylor and Thomas Foulke. *Economic Impacts of Sage Grouse Management in Wyoming: The 9-Plan*. Western Regional Science Association, 55<sup>th</sup> Annual Meeting, Kona, Hawaii, 17 February, 2016.

Rashford, Benjamin S. and Thomas Foulke. *Wyoming Livestock Production and Wolves in Context*. University of Lyon, France 05 June, 2014. Grenoble, France 06 June. Montpellier University, France 10 June, 2014.

Foulke, Thomas. *Recent Economic Trends in Wyoming's Coal Sector*. Presented as part of UW Agricultural & Applied Economics seminar series. February 21, 2014.

Foulke, Thomas. *Issues Surrounding the Feasibility of On-Farm Bio-Diesel: The Camelina Case-Study*. Presented to the Soil and Water Conservation Society's Agriculture and Energy Workshop. Laramie Hilton Garden Inn. September 29, 2011.

Foulke, Thomas, Milton Geiger and Brett Hess. *A Scaled Systems Approach to On-Farm Feed and Fuel From Dryland Camelina*. Presented to the 1<sup>st</sup> World Bio-Energy Conference, Dalian, China. April 26, 2011.

Foulke, Thomas and Bret Hess. *Dry land Camelina, A Systems Approach to On-Farm Feed and Fuel, Preliminary Results*. Presented to the 18<sup>th</sup> International Farm Management Congress. Methven, New Zealand, March 25, 2011.

Foulke, Thomas. *Predator paper*. Invited presentation to the Society of Range Management's annual meeting. Billings, MT. February 10, 2011.

Foulke, Thomas, David T. Taylor and Roger H. Coupal. *Wyoming's Uranium Industry: Economic Impact and Production Potential in a Changing World*. Presented to the Western Regional Science Association, 50<sup>th</sup> annual meeting, Monterey, California. March 1, 2011.  
Foulke, Thomas. *Economic Considerations for an on-farm Bio-diesel Production System from Camelina*. For the Extension Professional Improvement Conference, Laramie, Wyoming. November 3, 2010.

Foulke, Thomas. *Economic Considerations for an on-farm Bio-diesel Production System from Camelina*. For the UW Powell R&E Field Day event, Powell, Wyoming. July 8, 2010.

Taylor, David T. and Thomas Foulke. *Habitat Equivalency Analysis for the Pacific Connector Natural Gas Pipeline: A Real World Case Study*. For the University of Wyoming Department of Agricultural & Applied Economics Research Seminar Series. March 26, 2010.

Foulke, Thomas. *A Case Study in Applied Economic Research: Predator Management Benefits and Costs in Wyoming*. For the University of Wyoming Department of Agricultural & Applied Economics Research Seminar Series. October 20, 2009.

Foulke, Thomas and David T. Taylor. *An Economic Analysis of Predator Management in Wyoming: Final Report*. Presented to the Wyoming Animal Damage Management Board. Casper, Wyoming. August 21, 2009

Foulke, Thomas, David T. Taylor and Roger H. Coupal. *Small Feet, Big Tracks: The Potential Economic Effects of Critical Habitat Designation on the Economy of Southeastern Wyoming*. Presented to the Western Regional Science Association, 47<sup>th</sup> annual meeting, Kailua-Kona, Hawaii. February 20, 2008.

Foulke, Thomas. *A Socio-Economic Profile of Teton County Wyoming and Some Thoughts on National Park Visitation*. Presented to Leadership Jackson Hole. Jackson, Wyoming. October 24, 2007.

Foulke, Thomas, David T. Taylor and Roger H. Coupal. *Small Feet, Big Tracks: The Potential Economic Effects of Critical Habitat Designation on the Economy of Southeastern Wyoming*. Presented to the Trans-Atlantic Land-use Conference. Washington, D.C. September 24, 2007.

Taylor, David T, Thomas Foulke and Roger H. Coupal. *The Economic Contribution of Off-Road Vehicles to Wyoming's Economy*. Presented at the Western Regional Science Association's 46<sup>th</sup> annual meeting, Newport Beach, CA. February 24, 2007.

Foulke, Thomas, Roger H. Coupal and David Taylor. *A Socio-Economic Profile of Lincoln County, Wyoming*. Presented to the Lincoln County Leadership Institute, Cokeville, Wyoming. June 7, 2006.

Foulke, Thomas, Roger H. Coupal and David Taylor. *Implications for the Regional Economy from Changes in Federal Grazing: Park County, Wyoming*. Presented at the Western Regional Science Association annual meeting, Santa Fe, New Mexico. February 23, 2006.

Foulke, Thomas, Roger H. Coupal and David Taylor. *Status of Agricultural Land in Wyoming, 2002*. Presented at the Western Regional Science Association annual meeting, Santa Fe, New Mexico. February 23, 2006.

Foulke, Thomas. *The Potential Economic Impact on the Economy of Southeastern Wyoming from the Designation of Critical Habitat for the Preble's Meadow Jumping Mouse*. Presented at the Western Regional Science Association annual meeting, Maui, Hawaii, February 26, 2004.

Foulke, Thomas. *Payment in Lieu of Taxes to Albany County*. To the Laramie Plains Lions Club. April 10, 2003.

Foulke, Thomas. *An Introduction to Economics*. To the Laramie High School Careers Class. April 7, 2003.

Thompson, J., T. Foulke, Roger Coupal and D. Taylor. *A Feasibility Study for Buying Real Estate for the State School Trust Fund*. Public presentation to the Wyoming State Land Board, June 20, 2002.

Thompson, J., T. Foulke and D. Taylor. *A Feasibility Study for Buying Real Estate for the State School Trust Fund*. To Jim Geringer, Governor of the State of Wyoming, and the Wyoming State Land Board. April 19, 2002.

Thompson, J., T. Foulke and D. Taylor. *A Feasibility Study for Buying Real Estate for the State School Trust Fund*. To Joe Meyer, Wyoming Secretary of State and Max Maxfield, Wyoming State Auditor, February 2002.

Thompson, J., T. Foulke and D. Taylor. *A Feasibility Study for Buying Real Estate for the State School Trust Fund*. To Cynthia Lummis, Wyoming State Treasurer, December 2001.

Thompson, J., T. Foulke and D. Taylor. *A Feasibility Study for Buying Real Estate for the State School Trust Fund*. To Ron Arnold, Director of the Office of State Lands and Investment, December 2001.

Geving, E.B., L.J. Held, D.W. Koch and F.A. Gray and Tom Foulke. *Economics of Trap Crop Radish in Crop Rotations for Sugar Beet Cyst Nematode Control in Southeast Wyoming*. Paper presented at the 2000 Western Society of Crop Science Meeting, Moscow, ID. June 18-



21, 2000. (*Abstracts of Technical Papers, 2000 Annual Meeting*, Western Society of Crop Science.)

### **Articles Reviewed**

*Farming Muskoxen for Qiviut in Alaska: A Feasibility Study*. For Arctic. December, 2015.

*Wind Development as Sustainable Entrepreneurship*. For the Western Rural Development Center. March, 2013.

*Fracking, Renewables and Fossil Fuel Power: The Complex Future of CO<sub>2</sub> Capture and Storage*. For Applied Energy, February, 2013.

*Regional Agricultural Economic Implications of Federal Land Management Decisions*. For the Western Economic Forum. February, 2009.

*Perception of Drought Hazard and Sociological Impacts of Drought*. For Great Plains Research. July, 2007.

### **Teaching**

**AGEC 3420** (3 credits) Applied Equity Investing. Spring, 2021.

**AGEC 4890, Section 1**: (1 credit) Study Abroad Preparation, Spring, 2021.

**AGEC 4280**: (3 credits) Food & Farm Culture in France, Summer, 2021. (*proposed*)

**AGEC 4890, Section 3**: (3 credits) Australia's Export-led Agricultural Sector, Summer, 2021. (*proposed*)

**AGEC 3420**: (3 credits) Applied Equity Investing. Spring, 2020.

**AGEC 4890, Section 1**: (1 credit) Study Abroad Preparation, Spring, 2020.

**AGEC 3420**: (3 credits) Applied Equity Investing. Spring, 2019.

**AGEC 4890, Section 1**: (1 credit) Study Abroad Preparation, Spring, 2019.

**AGEC 4280**: (3 credits) Food & Farm Culture in France, Summer, 2019.

**AGEC 4890, Section 3**: (3 credits) Australia's Export-led Agricultural Sector, Summer, 2019.

**AGEC 3420**: (3 credits) Applied Equity Investing. Spring, 2018.

**AGEC 4890, Section 1**: (1 credit) Study Abroad Preparation, Spring, 2018.

**AGEC 4890, Section 1**: (3 credits): Special Topics: Study Abroad Australia Summer. 2017.

**AGEC 4890, Section 2**: (3 credits): Special Topics: Principles of Applied Equity Investing, Spring, 2017.

**AGEC 4890, Section 3**: (1 credit): Special Topics: Study Abroad Preparation, Spring, 2017.

**AGEC 4890, Section 4**: (1 credit): Special Topics: Introduction to Equity Investing. Spring, 2014, 2015.

**AGEC 4280**: (3 credits) International Food and Farm Culture: Co-taught with Dannele Peck. Taught in France: Summer, 2013, 2014, 2015, 2016, 2017.

AGEC/ECON 1020, (3 credits) Principles of Microeconomics. Spring 2004.

AGEC 4500, (3 credits) Agricultural Finance- Stand-in for Larry Held. Fall 2002.

FCSC 3110, Personal Finance-Teaching assistant for new online course. Spring 2002.

### ***International program activity***

Summer study abroad program. UW Group Leader and Co-leader (with Kristi Hanson). (AGEC 4280: *Food and Farm Culture in France*) in cooperation with École Supérieur D'Agriculture (ESA), Angers, France. (Summer) 2013-2019. 2020 cancelled. 2021 proposed.

UW Agricultural Economics Study Abroad in Australia, Group Leader (*Australia's Export-led Agricultural Sector*) Summer, 2017, 2019. 2021 proposed.

### ***Advising***

Advisees removed for central advising, 2019.

Average of 14 undergraduate advisees. 2018.

### ***Professional Activity***

Chairman: WERA-1018 USDA Regional Coordinating Committee (2013-2015).

Secretary: W-1192 USDA Regional Research Project working group (2009-2011).

### ***Online creativity and support:***

**Webinar:** *Wyoming's Economy, 101: Where are we now?* For the Extension Professionals Improvement Conference (EPIC). 08 November, 2016.

**Webinar:** *An Introduction to Coal: Understanding Economic and Production Trends in Wyoming and Colorado.* For Colorado State University Extension. 26 participants. 26 February, 2015.

**Websites:** Developed websites to enhance public and professional access to our work. Produced and supported the below efforts from inception. We have had hits from all over the world. Our website also serves as a conduit for information sharing. All of our bulletins and reports are available for colleagues and the public to download from anywhere in the world. We are able to direct inquiries to our website to facilitate information transfer to the public or other professionals.

❖ **Wyoming First-grains Project website:** [www.Neolithicbrand.com](http://www.Neolithicbrand.com) . Build at part of the project to promote Neolithic brand first-grains and to provide information and education to potential customers and project partners. December, 2018.

❖ **Wyoming Community & Regional Economics Portal website:** <http://agecon.uwyo.edu/wyocre/default.html> Successor site to the Wyoming Economic

Atlas. Launched October, 2010. Includes bulletins, the PastureCam and several features from the atlas website incorporated into new a format that highlight Regional Economic Analysis Project (REAP) effort which we financially support. My role effectively ended in 2014.

- ❖ **The PastureCam**, Internet camera. The original internet camera pointed at Prexy's Pasture on the campus of the University of Wyoming. This is one of the most visited pages on UW's website. I am the creator of the PastureCam concept and monitor camera operations daily. 1999 to present. <http://wyocre.uwagec.org/PastureCam.html>. A new camera (the third since inception) was installed in 2014 and 2017.
- ❖ **Wyoming Economic Atlas Website**: <http://Agecon.Uwyo.edu/EconDev> online from October, 1999 to October, 2010. The Community Economic Development working group (Taylor, Coupal and Foulke) produced and supported the Wyoming Economic Atlas, including design, construction, maintenance, repair, and upgrading of the site. This includes the PastureCam (The only web camera currently pointed at the UW campus). We had over 42,000 hits per year. The PastureCam had over 45,000 hits. The PastureCam provides web exposure for the Atlas, The Department and the University.

## **Grants**

XXXXXX. Wyoming First-Grains Project. University of Wyoming Institute for Innovation and Entrepreneurship. \$50,000. April 2019.

XXXXXX. Wyoming First-grains Project: Market and Industry Development for First-grains in Wyoming. University of Wyoming. USDA (Hatch). \$211,000. January 2018-January 2023.

XXXXXX. Enhancing Economic Viability of Camelina as Bio-Feedstock: Optimization and Demonstration of the Production System and Bio-product Development. USDA Bio-mass Research and Development Initiative. Kansas State University (Prime). 10/01/12-9/30/16. \$5,905,903. [Wyoming, Sub-award PI, 2015-16].

XXXXXX. Roger H. Coupal, Thomas Foulke and David T. Taylor. Hybrid Energy Systems for Wyoming. Idaho National Laboratory. 7/15/2012-1/31/2013. \$33,000.

XXXXXX. David T. Taylor, Christopher T. Bastian and Thomas Foulke. *A Comprehensive Assessment of the Wyoming State Trails Users Including: A) Snowmobiling in Wyoming, B) Off-Road Vehicle Use in Wyoming, and C) An Inventory and Economic Assessment of Non-motorized Trails*. 10/01/2011-3/31/2013. \$168,000.

XXXXXX. Katta Jayaram Reddy, David T. Taylor, Thomas Foulke, et al. *Feasibility of Accelerated Carbon Mineralization Process for Oil-Shale Combustion By-Products*. 11/01/2011-11/30/2012. \$222,695.

XXXXXXXX. David T. Taylor, Thomas Foulke and Milton E. Geiger. *A Comprehensive Evaluation of the Potential Economic and Fiscal Impacts of the Quaking Aspen Wind Energy*

*Development in Sweetwater County, Wyoming.* EnXco Corporation. 10/1/2011-12/30/2011. \$28,300.

1000962 David T. Taylor and Thomas Foulke. *Economic Impact of Wyoming Sage Grouse Policy.* Booz Allen and Associates. 10/11/2010-9/30/2012. \$50,000.

XXXXXXX. David T. Taylor and Thomas Foulke. *Update of Economic Assessment for the Shoshone National Forest.* 7/15/2010-9/30/2011. \$25,000.

PRWE40471. David T. Taylor, Thomas Foulke and Milton Geiger. *The Economic and Fiscal Impact of a 3,000 Megawatt Wind Energy Development in Platte County, Wyoming.* Pathfinder Renewable Wind Energy, LLC. 6/1/2010-9/30/2010. \$50,000.

CAMECO40215. David T. Taylor, Thomas Foulke and Roger H. Coupal. *The Economic Impact of Uranium Production in Wyoming.* Power Resources Inc. 3/8/2010-9/8/2010. \$71,000.

BATTL47518. Thomas Foulke, David T. Taylor, Roger H. Coupal. *Implicit Price of Carbon in U.S. Financial Incentives for Advancing Clean Coal Technologies.* Idaho National Laboratory. 8/1/2009-4/30/2010. \$75,000.

ICF48143. David T. Taylor, Thomas Foulke and Roger H. Coupal. *Socio-Economic analysis of Four-County Region for Bureau of Land Management Buffalo Resource Management Plan.* 10/1/2009–11/30/2011. \$45,000.

ICF48142. David T. Taylor, Thomas Foulke and Roger H. Coupal. *Socio-economic Analysis of Four-County Region for Bureau of Land Management Big Horn Basin RMP.* 10/1/2009–11/30/2011. \$45,000.

INEEL48192. Thomas Foulke. *Feasibility Study of Siting Advanced Coal Gasification Plants in Wyoming.* 7/14/2008-12/31/2009. \$54,000.

SAIC48777. David T. Taylor, Roger H. Coupal and Thomas Foulke. *Economic Analysis for BLM Lander Resource Management Plan.* 08/16/2007-12/10/2010. \$54,000.

UTSTUNV49003. Brett Hess, James Krall, and Thomas Foulke. *Evaluation of Camelina Sativa as an Alternative Seed Crop and Feedstock for Bio-fuel and Developing Replacement Heifers.* 07/01/2007- 06/30/2010. \$155,000.

WYOADM49729 David T. Taylor, Benjamin Rashford, Thomas Foulke and Roger H. Coupal. *Economic Analysis of Predator Management in Wyoming.* 08/01/08 – 6/30/09. \$68,596.

USDAFS45345 David T. Taylor and Thomas Foulke. *Supplemental Economic Analysis of the Bridger-Teton National Forest.* 9/20/2007 – 9/20/2011. \$10,017

WYGOV49734 David T. Taylor, Thomas Foulke and Roger H. Coupal. Bridger-Teton National Forest Economic Analysis. 2/26/2007-12/31/2008. \$50,000.

WYGOV49724 Thomas Foulke, David T. Taylor and Roger H. Coupal. *Shoshone National Forest Economic Analysis*. 2/26/2007 to 12/31/2008. \$50,000.

WYSPHS46772. Thomas Foulke, Roger H. Coupal, David T. Taylor and Chris T. Bastian. *The Economic Impact of Off-Road Vehicle Use in Wyoming*. 7/1/2005 to 6/31/2006. \$46,000.

PARKCO48710 James G. Thompson, Roger H. Coupal, David T. Taylor and Thomas Foulke. *Park County Economic Impact Analysis of Federal Livestock Grazing in Park County*. 12/03/04 to 06/30/05. \$35,000.

WYGOV6640 David T. Taylor, Roger H. Coupal, T. Foulke. *The Potential Economic Impact on the Economy of Southeastern Wyoming from the Designation of Critical Habitat for the Preble's Meadow Jumping Mouse*. 2/1/2003 to 4/4/2004. \$75,550.

ZZ-86 Coupal, Roger, D.T. Taylor, T. Foulke. *USFS Economic Analysis of Bighorn National Forest Plan* 8/20/2001 to 12/31/2003. \$45,000.

ZZ-81 David T. Taylor, James G. Thompson, Kate Inman, Thomas Foulke, Roger Coupal. Agricultural Experiment Station Comp. Grant. *Integrating Social and Economic Impact Methods to Analyze Changes in Public Land Policy*. 10/30/1999 to 6/30/2002. \$41,902.

### **Graduate Committee Membership**

Sintim, Henry Yabby. (Outside committee member). *Optimizing Camelina (Camelina Sativa L. Crantz) Production for Fallow Replacement Cropping Systems with Wheat*. M.S. Plant Sciences. December, 2014.

Steele, Jordan. *Wolf Reintroduction: Direct and Indirect Effects for Western Wyoming Cattle Producers*. M.S. Agricultural and Applied Economics. July, 2012.

Gorski, Alexander. (Chair). *An Economic Analysis of an overall Carbon Capture and Storage system for the Jim Bridger Power Plant in Rock Springs, Wyoming*. M.S. Agricultural and Applied Economics. May, 2012.

Christianson, Mikol. *An Economic Analysis of the Jim Bridger Power Plant CO<sub>2</sub> Mineralization Process*. M.S. Agricultural and Applied Economics. Spring, 2010.

Winters, Dalin. *A Survey of Graduates of UW Agricultural & Applied Economics*. M.S. Agricultural and Applied Economics. Spring 2006.

Fleming, Matthew. *An Economic Analysis of Precision Application of Herbicide to Control Skeleton Leaf Bursage in Winter Wheat*. M.S. Agricultural and Applied Economics. Spring 2005.

Sarchet, Brent Allen. *Survey and Analysis of Wyoming Livestock Producers*. (Non-thesis paper, M.S. Agricultural and Applied Economics), Spring 2004.

Opp, Tina. *The Economics of Variable Rate Application of Soil Fumigation for Sugar Beet Nematode Control*. M.S. Agricultural and Applied Economics, Spring 2001.

Geving, E.B. *Economics of Trap Crop Radish in Crop Rotations for Sugar Beet Cyst Nematode Control in Southeast Wyoming*. (Non-thesis paper, M.S. Ag. Business Option), July 2000.

## **Awards**

Winner. Best Article in *Reflections*: 2015.

University of Wyoming Cap and Gown Chapter of Mortar Board, “Top Prof” award, 2003.

## **Service**

College of Agriculture & Natural Resources: Shared Computer Resource Coordinator (2018-present).

College of Agriculture and Natural Resources Representative: Central Technology Student Committee (2015- Present)

Committee member: UW College of Agriculture and Natural Resources, Tenure and Promotion Committee, (2014-2016).

Committee member: University of Wyoming Extension, In-Depth Conference planning committee, 2014.

Treasurer (Elected) Valley View Community Improvement and Service District (2011-2015).

Committee member: University of Wyoming, Cooperative Extension Service, Marketing and Branding Working Group (2010-2011).

Committee member: University of Wyoming, High Plains Gasification-Advanced Technology Center, Research Leadership Team (2008-2011).

Committee member: Five-year review for Dean Galey (2007-2008).

President of the UW Chapter of Gamma Sigma Delta, “The Honor Society of Agriculture”, 2007-2008.

Vice-President of the UW Chapter of Gamma Sigma Delta, The Honor Society of Agriculture, 2006-2007.

Secretary of the UW Chapter of Gamma Sigma Delta, The Honor Society of Agriculture. 2005-2006.

### ***Departmental Committee Membership***

- Department Graduate Committee (2002-Present)
- Department Libraries, Facilities, and Technology Committee (1999-Present)
- Department Management Committee (2005-Present)
- CSREES Planning Review Committee (2006)
- College of Agriculture Web Committee (2005-2010)