

## CURRICULUM VITAE

**NAME:** Philip Watson

**DATE:** 11/30/2016

**ADDRESS:** 875 Perimeter Drive, MS 2334, Moscow, ID 83844  
**PHONE:** (208) 962-1312  
**EMAIL:** [pwatson@uidaho.edu](mailto:pwatson@uidaho.edu)  
**WEB:** [www.mydearwatson.net](http://www.mydearwatson.net) or  
[www.uidaho.edu/cals/aers/directory/faculty/philipwatson](http://www.uidaho.edu/cals/aers/directory/faculty/philipwatson)

### EDUCATION:

- Ph.D. Colorado State University** 2006  
Department of Agricultural and Resource Economics  
Major Areas: Natural Resource Economics and Regional Economics  
Dissertation: Of Golf and Grains: Three Essays on Resource Use in the New American West
- M.Ag. Colorado State University** 2002  
Department of Soil and Crop Science  
Major Area: Crop Genetics and International Development  
Thesis Title: Heterosis in Quinoa and its Relation to Genetic Distance
- B.S. Taylor University** 1998  
Major: Environmental Biology

### EXPERIENCE:

#### ACADEMIC:

**Associate Professor of Applied Economics** (Promoted to Associate with tenure on July 1, 2014)

January 2008 – present

Agricultural Economics and Rural Sociology Department, University of Idaho

- 50% research and 50% teaching appointment
- Research
  - Focus on business community economic development and natural resource policy
  - Collaborative research projects with Regional Planning program
- Teaching
  - Courses
    - Agricultural and Food Policy (AGEC 356)
    - Regional Economic Development Theory (AGEC 586)
    - Regional Economic Development Methods (AGEC 587)
    - Bioregional Planning Methods (BIOP 504)
    - Bioregional Planning Studio (BIOP 511)
    - Engineering Economics (ENGR 360)

**Adjunct Professor of Economics**

July 2014 – present

School of Economic Sciences, Washington State University

**Graduate Research Assistant**

August 2002-June 2006

Department of Agricultural and Resource Economics, Colorado State University  
Fort Collins, Colorado

- Courses Taught
  - Principles of Genetics (SOCR 330)

**NON-ACADEMIC:****Natural Resource Economist**

June 2006-January 2008

NOAA Fisheries, Northwest Fisheries Science Center

- Conducted research on marine resource impacts on natural resource dependent communities
- Performed analysis of federal fishery policy

**International Development Intern**

November 1998 – December 1999

Educational Concerns for Hunger Organization

North Fort Myers, Florida

- Managed seed bank of underutilized economically valuable crops

**SCHOLARSHIP ACCOMPLISHMENTS:****Publications:****Refereed/Adjudicated:**

- Winfree, J. and P. Watson (2017). Welfare economics of “buy local”. *American Journal of Agricultural Economics*, forthcoming.
- Decker, K. and P. Watson (2016). Estimating willingness to pay for a threatened species within a threatened ecosystem. *Journal of Environmental Planning and Management*, forthcoming.
- Winfree, J. and P. Watson (2016). Commentary on Ye & Kerr (2016): Cross-state liquor substitution and economic policy. *Addiction*, 111(11):1954-1955
- Deller, S. and P. Watson (2016). Did regional economic diversity influence the effects of the Great Recession? *Economic Inquiry*, 54(4):1824-1838.
- Deller, S. and P. Watson (2016). Spatial variations in the relationship between economic diversity and stability. *Applied Economics Letters*, 23(7), 520-525.
- Watson, P., S. Cooke, D. Kay, and G. Alward (2015). A Method for Improving Economic Contribution Studies for Regional Analysis. *Journal of Regional Analysis & Policy*, 45(1):1-15.
- Winfree, J. and P. Watson (2014). Substitution of Liquor Sales Across States. *Applied Economic Letters*, 52(4):917-928
- Benson, C., P. Watson, R. Taylor, and S. Hollenhorst (2013). Who Visits a National Park and What do They Get Out of It?: A Joint Visitor Cluster Analysis and Travel Cost Model for Yellowstone National Park. *Environmental Management* 52(4): 917-928.
- Brown, N. and P. Watson (2013). What can a comprehensive plan really tell us about a region?: A cluster analysis of county comprehensive plans in Idaho. *Western Economics Forum* 11(2):22-37.
- Goodwin, W., J. Guenther, C. McIntosh, A. Johnson, P. Watson, and M. Thornton (2012). Economic Impacts of Increasing the Minimum Size for Idaho Fresh Potatoes. *Journal of Food Distribution Research* 43(3):30-42.
- Watson, P., K. Castelin, P. Salant, and J. Wulfhorst (2012). Estimating the Impacts of a

- Reduction in the Foreign-Born Labor Supply on a State Economy: A Nested CGE Analysis of the Idaho Economy. *Review of Regional Studies* 42(1):51-74.
- Watson, P. and T. Johnson (2012). Federal Fishery Policy and the Geographic Distribution of Commercial Fish Landings: Insights from the 2003 Federal Groundfish Permit Buyback. *Marine Resource Economics* 27:289-301.
- Cooke, S. and P. Watson (2011). A Comparison of Regional Export Enhancement and Import Substitution Economic Development Strategies. *Journal of Regional Analysis and Policy* 41(1): 1-15.
- Rodriguez, A., P. Watson, and W. Braak (2011). Getting to Know the Economy in Your Community: Automated Social Accounting. *Journal of Extension* 49(4).
- Watson, P. and S. Davies (2011). Modeling the Effects of Population Growth on Fixed Water Resources: A CGE analysis of the South Platte River Basin of Colorado. *Annals of Regional Science* 46(2): 331-348.
- Watson, P., and N. Beleiciks (2009). Small Community Social Accounting Matrices and their Application to Determining Marine Resource Dependency. *Marine Resource Economics* 24:253-270.
- Loomis, J., O. Tadjion, P. Watson, J. Wilson, S. Davies, and D. Thilmany (2009). A Hybrid Individual-Zonal Travel Cost Model for Estimating the Consumer Surplus of Golfing in Colorado. *Journal of Sports Economics* 10(2): 155-167 pp.
- Watson, P., S. Davies, and D. Thilmany (2008). Determining economic contributions in a recreational industry: An application to Colorado's golf industry. *Journal of Sports Economics* 9(6): 571-591.
- Watson, P., J. Wilson, D. Thilmany, and S. Winter (2007). Determining economic contributions and impacts: What is the difference and why do we care? *Journal of Regional Analysis and Policy* 37(2): 140-146.
- Wilson, J., D. Thilmany, and P. Watson (2006). The role of agritourism in western states: Place-specific and policy factors influencing recreational income for producers. *Review of Regional Studies* 36(3): 381-399.
- Thilmany, D., & Watson, P. (2004). The Increasing Role of Direct Marketing and Farmers' markets for Western US Producers. *Western Economics Forum* 3(2): 19-25.

**Papers Under Review:**

- Watson, P., D. Kay, G. Alward, S. Cooke, and A. Morales. A Method for Evaluating the Economic Contribution of a Local Food System. Submitted to the *Journal of Agricultural and Resource Economics*.
- Brown, A., P. Lewin, and P. Watson. Surviving the Great Recession: The Influence of Inequality in U.S. Urban Counties. Received revise and resubmit from *Regional Studies*.
- Deller, S., T. Conroy, and P. Watson. Women Business Owners: A Source of Stability During the Great Recession? Received revise and resubmit to *Applied Economics*.

**Book Chapters:**

- Wulfhorst, J., P. Salant, L. Bernacchi, S. Kane, and P. Watson (2014). "Hispanic Immigration, Global Competition, and the Dairy Industry in Rural Communities" Chapter 23 in: Rural American in a Globalizing World. Edited by C. Bailey, L. Jenson and E. Ransom.
- Watson, P. and D. Thilmany. "Regional Agriculture as a National Industry." Chapter 17 in Blank, S. The Economics of American Agriculture: Evolution and Global

Development. pp. 349-375. 2008.

Thilmany, D. and P. Watson. "Revitalizing Rural Communities: Agricultural Producers' Emerging Role in Public and Private Innovation". In Perspectives on 21<sup>st</sup> Century Agriculture: A Tribute to Walter J. Armbruster. Edited by R. Knutson, S. Knutson, and D. Ernstes. 2007.

#### **Extension Reports:**

- Watson, P. and S. Turi (2014). Economic Contribution of Idaho Agribusiness 2014. University of Idaho Extension Bulletin 892.
- Watson, P., K. Castelin, P. Salant, and J.D. Wulfhorst (2012). An Analysis of How Reducing the Supply of Foreign-Born Labor Would Impact Idaho's Economy. University of Idaho CALS Technical Report.
- Morgan, T., C. Keegan, S. Hayes, C. Sorenson, J. O'Laughlin, R. Taylor, P. Watson, T. Gorman, and S. Shook (2012). Idaho's Forest Products Industry Current Conditions and 2012 Forecast. Idaho Forest, Wildlife, and Range Experiment Station Bulletin 98.
- Guenthner, J., W. Goodwin, A. Johnson, C. McIntosh, M. Thornton, and P. Watson (2011). Economic Analysis of Increasing the Minimum Size for Fresh Potatoes. University of Idaho AERS Extension Series No 2011-03.
- Leonard, J., and P. Watson (2011). Description of the Input-Output Model for Pacific Coast Fisheries. NOAA Technical Memorandum NMFS-NWFSC-111.
- Watson, P. and D. Thilmany (2011). Water Use Efficiency in Golf: An economic analysis of Colorado golf courses. *Golf Course Management* 79(6): 88-98.
- Taylor, G., B. Eborn, P. Watson, and A. Rodriguez (2010). Contribution of Agribusiness to Idaho's Economy, 2010. University of Idaho Extension Report CIS 1186.
- Watson, P., G. Taylor, and S. Cooke (2008). The Contribution of Agriculture to Idaho's Economy: 2006. University of Idaho Extension Report CIS 1144.
- Thilmany, D., P. Watson, and G. Kress (2006). Colorado State University Economic Development Report #06-08. The Economic Contribution of the Colorado Wine Industry.
- Watson, P., D. Thilmany and S. Davies (2005). County Level Analysis of Net Farm Income: Crop Mix, Marketing Channels and Locational Factors. Paper presented in the Organized Symposium at the 2005 WAEA Annual Meetings, San Francisco, CA.
- Winter, S. and P. Watson (2005). Evaluating the Economic Contribution of the National Forests of Arizona. U.S. Forest Service, Planning and Analysis Group. Technical Report 103.
- Davies, S., P. Watson, A. Cramer and D. Thilmany (2004). Colorado State University Economic Development Report #04-08. The Economic Contribution of Colorado's Golf Industry.
- Watson, P. and A. Seidl (2004). The Economic Base of Moffat County, Colorado. Colorado State University Economic Development Report #04-09.
- Davies, S., P. Watson, and D. Thilmany (2004). Colorado State University Economic Development Report #04-01. The Economic Contribution of Colorado's Green Industries.

#### **Professional Meeting Papers and Presentations:**

- Ringwood, L. and P. Watson. Determining the Signal from the noise in economic resilience. Presented at the 2016 North American Regional Science Association

- meetings, Minneapolis, Minnesota.
- Conroy, T., S. Deller, and P. Watson. Poverty, Income Distribution and Small Business Activity: How do Women Entrepreneurs Factor into the Discussion? Presented at the 2016 North American Regional Science Association meetings, Minneapolis, Minnesota.
- Watson, P., D. Kay and S. Cooke. A Method for Evaluating the Economic Contribution of a Local Food System. Presented at the 2015 Southern Regional Science Association Meetings.
- Watson, P., S. Cooke, and D. Kay. An improved method for conducting economic contribution analysis. Presented at the 2014 North American Regional Science Association Meetings, Bethesda, MD.
- McIntosh, Christopher S., Giri Raj Aryal, Phillip Watson and Phil Nolte. 2013. "State-Wide Impacts of PVY – Idaho" Presented at the 2013 Montana Seed Potato Seminar, Bozeman MT, November 2013.
- Xin, Wang, C. McIntosh, P. Watson. 2013. "Technical Efficiency in Small-scale Irrigation Cooperative and its Determinants from the Perspective of Social Capital Heterogeneity: the Case of Northwestern China". Presented at the 2013 AAEA meetings, Washington, D.C. July 2013.
- Watson, P. (2012) To Nest in the Wind—Implementation and Impacts of Career Development for Women in Personal Growth and Balancing Life". Invited panelist at the Agricultural and Applied Economics Association Conference, August 2012, Seattle, WA
- Watson, P and T. Johnson (2011). Federal fishery policy and the geographic distribution of commercial U.S. fish landings. Selected paper at the North American Association of Fisheries Economists Conference, May 2011, Honolulu, HI
- Watson, P., K. Castelin, P. Salant, and J.D. Wulfhorst (2011). Estimation of the size and impacts of Idaho's Foreign-born Labor. Selected paper at the Western Agricultural Economics Association Conference, July 2011, Banff, BC
- Watson, P., K. Castelin, P. Salant, and J.D. Wulfhorst (2010). Estimation of the size and impacts of Idaho's Foreign-born Labor. Selected paper at the Pacific Northwest Regional Economics Conference, May 2010, Seattle, WA
- Cooke, S. and P. Watson (2010). A Comparison of Import Substitution and Export Enhancement Economic Development Strategies. Selected paper at the American Agricultural Economics Association, June 2010, Denver, CO
- Cooke, S. and P. Watson (2009). A Comparison of Import Substitution and Export Enhancement Economic Development Strategies. Selected paper at the Pacific Northwest Regional Economics Conference, May 2009, Vancouver, WA
- Watson, P. and N. Beleiciks (2008). Small Community SAM's & Determining Natural Resource Dependency. Selected paper at the Pacific Northwest Regional Economics Conference, May 2008, Tacoma, WA

**Grants and Contracts Awarded:**

**Total grants for which I am a PI or co-PI since 2008: \$2,058,656**

**Total grant dollars directly attributable to my work since 2008: \$1,023,744**

**Serving Local and Regional Markets in the Intermountain West: Identifying and Overcoming Constraints in a Vast Geography**

Saul, D. (lead PI), C. Williams (co-PI), A. Johnson (co-PI), P. Lewin (co-PI), S. Xu (co-PI), T. Frazier (co-PI), P. Watson (co-PI), R. Dezzani (co-PI)

Funded by the USDA AFRI

5/2014 – 12/2016

Total Award: \$499,999.50

Watson: \$75,000

**Sustainable Rural Development Using the Area Sector Analysis Process (ASAP) Program**

Harris, T. (lead-PI), P. Watson (co-PI), L. Cox (co-PI), D. Albrecht (co-PI)

Funded by the USDA AFRI

Total Award: \$490,486.74

Watson: \$190,501.08

**Economic Impact of Idaho's Dairy Industry**

P. Watson (lead PI) and G. Taylor (co-PI)

Funded by the Idaho Dairywomen's Association

04/2013 – 05/2014

Total Award: \$40,000

Watson: \$32,000

**Aligning Resources for Innovation and Prosperity**

Merrell, G. (lead PI), P. Watson (co-PI), and T. Laninga (co-PI)

Funded by the U.S. Department of Commerce, Economic Development Administration

10/1/2012-3/31/2014

Total Award: \$411,101

Watson: \$205,550

**Targeted Economic Development Analysis Tool**

P. Watson (sole-PI)

Funded by the USDA Rural Community Development Initiative

06/2010 – 06/2013

Total Award: \$327,692

**Economic Impacts and Benefits of the National Park System**

Hollenhorst, S. (lead-PI) and P. Watson (co-PI)

Funded by the National Park Service

06/2010 – 06/2012

Total Award: \$100,000

Watson: \$70,000

**The Economic Impacts of Ventenata Controls and Suppression**

Prather, T. (lead-PI), P. Watson (co-PI), K. Painter (co-PI)

Funded by Western Sustainable Agriculture Research and Education (WSARE)

07/2010 – 06/2013

Total Award: \$98,475

Watson: \$29,543

**Foreign-born Labor Contributions to Idaho's Economy and Communities**

Watson, P. (lead-PI), P. Salant, (co-PI), and J.D. Wulfhorst (co-PI)

Funded by the Idaho Dairymen's Association

07/2009 – 06/2010

Total Award: \$69,614

Personal Portion: \$52,210

**Community Economic Impacts of Water Transfers in the Magic Valley of Idaho**

Watson, P. (lead-PI) and G. Taylor (co-PI)

Funded by the United States Geological Survey

02/2009 – 02/2010

Total Award: \$19,960

Personal Portion: \$14,970

**West Coast Community Economic Analysis for Natural Resource Management**

Watson, P. (sole-PI)

Funded by the U.S. Department of Commerce, NOAA Fisheries, Northwest Fisheries Science Center

01/2008 – 12/2008

Total Award: \$21,288