

## CURRICULUM VITAE

**NAME:** Philip Watson

**DATE:** 10/12/2018

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**WEB:** <https://www.uidaho.edu/cals/aers/our-people/philip-watson>

### 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**

January 2014 – present

Agricultural Economics and Rural Sociology Department, University of Idaho

- 50% research and 50% teaching appointment
- Research
  - Regional economic development, spatial econometrics, economics of food systems, and natural resource policy
  - Collaborative outreach and 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)
- Advising
  - Advised 10 Applied Economics Masters students
  - Advised 3 Bioregional Planning Masters students
  - Advised 3 Environmental Science Ph.D. students

- Advised 1 Washington State University Economics Ph.D. student

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

January 2008 – July 2014

Agricultural Economics and Rural Sociology Department, University of Idaho

**Adjunct Professor of Economics**

July 2014 – present

School of Economic Sciences, Washington State University

- Advised 1 Washington State University Economics Ph.D. student
- Served on 2 Master's Thesis Committees

**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

- Provided technical assistance and training in sustainable development
- Managed seed bank of underutilized economically valuable crops

**CONSULTING:**

**Manheim Solutions**

August 2012 - present

Indianapolis, Indiana

- Assist local communities across the nation in evaluating their labor force analysis, competitive advantage analysis, and comprehensive planning

**IMPLAN Inc.**

January 2013 – May 2013

Huntersville, North Carolina

- Developing new workforce and staffing patterns models and new uses for IMPLAN derived data

**ADAGE Bioenergy**

July 2012 – August 2012

Chadds Ford, Pennsylvania

- Estimated the Economic Impacts of a 50 Megawatt Wood-fueled Biopower Plant in Mason County, WA

- Developed IO-PAC, an economic impact model used for policy analysis on the West Coast
- Perform economic analysis on federal fishery policy

#### SCHOLARSHIP ACCOMPLISHMENTS:

##### Publications:

##### Refereed/Adjudicated:

\*indicates students for whom I served as advisor

- Shideler, D. and P. Watson. 2018. Making Change through Local Food Production: Calculating the Economic Impact of Your Local Food Project. *Journal of Agriculture, Food Systems, and Community Development*, forthcoming.
- Ringwood\*, L., P. Watson, and P. Lewin. 2018. A Quantitative Method for Measuring Regional Economic Resilience to the Great Recession. *Growth and Change*, forthcoming.
- Maas, A. and P. Watson. 2018. Enthusiasm curbed: Home value implications of curbside parking rights. *Land Use Policy*, 77:705-711.
- Lewin, P., P. Watson, and A. Brown. 2018. Surviving the Great Recession: The Influence of Inequality in U.S. Urban Counties. *Regional Studies*, 52(6):781-792.
- Deller, S., T. Conroy, and P. Watson. 2017. Women Business Owners: A Source of Stability During the Great Recession? *Applied Economics*, 49(56):5686-5697.
- Watson, P. and S. Deller. 2017. Economic diversity, unemployment, and the Great Recession. *Quarterly Review of Economics and Finance*, 64:1-11.
- Winfree, J. and P. Watson. 2017. Welfare economics of “buy local”. *American Journal of Agricultural Economics*, 99(4):971-987.
- Watson, P., S. Cooke, D. Kay, G. Alward, and A. Morales. 2017. A Method for Evaluating the Economic Contribution of a Local Food System. *Journal of Agricultural and Resource Economics*, 42(2):180-194.
- Decker\*, K. and P. Watson. 2017. Estimating willingness to pay for a threatened species within a threatened ecosystem. *Journal of Environmental Planning and Management*, 60(8):1347-1346.
- 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 D. Thilmany. 2011. "Water Use Efficiency in Golf: An Economic Analysis of Colorado Golf Courses." *Golf Course Management*, June 2011: 88-98.
- 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., and P. Watson. 2004. The Increasing Role of Direct Marketing and Farmers' markets for Western US Producers. *Western Economics Forum*, 3(2): 19-25.

#### **Papers Under Review:**

- Salaghe, F., P. Watson, H. Hildebrandt\*, and M. Landis. 2018. Business Climate is in the Eye of the Employer. *Review of Regional Studies*, under revise and resubmit.
- Conroy, T., S. Deller, and P. Watson. Poverty, Income Distribution and Small Business Activity: How do Women Entrepreneurs Factor into the Discussion. Under revise and resubmit at *Small Business Economics*.
- Carrillo, M. and P. Watson. Who You Think You Are Effects How Well You Think You Are Doing: Identity Economics and Forward Looking Subjective Well-Being. Under review at *Economic Development Quarterly*.
- Watson, P., J. Winfree and D. Toro- Gonzalez. Determinates of Demand for Liquor and the

Fiscal Impacts of State Liquor Policy. Under review at *Food Policy*.  
Conroy, T. and P. Watson. Betting on the Over/Under: Education and Entrepreneurship.  
Under review at the *Journal of Regional Science*.

**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. 2008. "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. 2007. "Revitalizing Rural Communities: Agricultural Producers' Emerging Role in Public and Private Innovation". In Perspectives on 21<sup>st</sup> Century Agriculture. Edited by R. Knutson, S. Knutson, and D. Ernstes.

**Extension Reports:**

Watson, P. and L. Ringwood. 2016. Economic Contribution of Idaho Agribusiness 2016. University of Idaho Extension Bulletin 892.  
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.  
Guenther, 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:**

Watson, P. High Paying Sectors or Above Average Wages: What Matters More in Regional Wage Disparities. Presented at the 2018 Southern Regional Science Association Meetings, Philadelphia, Pennsylvania.

Winfree, J. and P. Watson. Buy Local and Social Interactions. Presented at the 2018 Agricultural and Applied Economics Association Meetings, Washington, D.C.

Maas, A. and P. Watson. Distributing Wealth to the Wealthy: A Parking Story. Presented at the 2018 Western Agricultural Economics Association Meetings, Anchorage, Alaska.

Watson, P. Good Job, Bad Job: Decomposing regional wage differences into within and across sector components. Presented at the 2017 North American Regional Science Association meetings, Vancouver, British Columbia.

Conroy, T. and P. Watson. Betting on the Over/Under: Education and Entrepreneurship. Presented at the 2017 North American Regional Science Association meetings, Vancouver, British Columbia.

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., S. Deller, S. Cooke, D. Kay. 2015. State level petroleum production, consumption and income volatility: Quantifying the winner and losers. Pacific Northwest Regional Economics Conference, Bellingham, WA

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: \$3,281,556**

**Total grant dollar spending authority since 2008: \$1,510,744**

#### **2018 Oregon Forest Sector Economic Analysis**

Becker, D. (lead-PI), P. Watson (co-PI), G. Alward (co-PI), G. Latta (co-PI)

Funded by the Oregon Forest Resources Institute

6/2018 – 5/2019

Total Award: \$60,970

Watson: \$18,000

#### **Ecological and Economic Benefit-Cost Comparison of Grazed and Ungrazed Prairie**

Bramwell, S. (lead-PI), P. Watson (co-PI)

Funded by the USDA's Western Sustainable Agricultural Research & Education Program

6/2018 – 5/2020

Total Award: \$260,000

Watson: \$14,000

#### **Sustainable Rural Development Using the Area Sector Analysis Process**

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

Funded by the USDA AFRI

1/2017 – 12/2020

Total Award: \$499,400

Watson: \$160,447

**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

**Rural Wealth, Inequality, and Community Economic Resilience: Engaging Rural Communities in an Era of Economic Restructuring.**

Lewin, P. (lead-PI), P. Watson (co-PI), B. Weber (co-PI)

Funded by the USDA AFRI

3/2014 – 3/2017

Total Award: \$500,000

Watson: \$155,000

**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

3/2014 – 3/2017

Total Award: \$490,487

Watson: \$190,501

**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

**PROFESSIONAL SERVICE AND HONORS:**

- University of Idaho, 2018 University Mid-Career Award
- Board of Directors, Southern Regional Science Association, 2017 - present
- Board of Directors, Pacific Northwest Regional Economics Association, 2016 - present
- Chair of multi-state working group NE-1049, 2013 - 2014
- Chair of Science Advisory Board, Alward Institute for Collaborative Science, 2014 -
- University of Idaho, Department of Agricultural Economics and Rural Sociology, Faculty Mentoring Committee Chair, 2016
- University of Idaho, Department of Agricultural Economics and Rural Sociology, Faculty Mentoring Committee Chair, 2016
- University of Idaho, Department of Agricultural Economics and Rural Sociology, Faculty Search Committee Chair, 2016
- University of Idaho, College of Agricultural and Life Sciences, Promotion and Tenure Committee, 2015 - present
- University of Idaho, College of Agricultural and Life Sciences, Academic Programs and

- Curriculum Committee, 2009 - 2015
- Visiting Scholar at IMPLAN, Inc, 2014
  - Board of Advisors, Keen Ingredients, 2008 - present
  - Member of the Board of the Social Science Subcommittee of the Association of Public and Land Grant Universities, Experiment Station Committee on Organization and Policy, 2014 - 2016
  - Reviewer for over 20 journals including the Journal of Agricultural and Resource Economics, Marine Resource Economics, The Annals of Regional Science, and The Journal of Regional Science