

CHELSEA S. PENNICK (MCIVER)

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EDUCATION

Ph.D., Natural Resources Policy & Administration | University of Idaho, Expected: 2022

M.S., Forestry | University of Montana, 2015

B.A., Rural Sociology | University of Montana, 2006

Dissertation: "Towards a theory of bureaucratic behavior in collaborative natural resource governance: evidence from the US Forest Service" (Dennis R. Becker, Advisor)

PROFESSIONAL EXPERIENCE

Research Social Scientist | Forest Industry Research Program, Bureau of Business and Economic Research, University of Montana, 2020 - present

Policy & Research Analyst | Policy Analysis Group, College of Natural Resources, University of Idaho, 2017 - 2020

Lecturer, Forest Policy & Administration | College of Natural Resources, University of Idaho, 2020-2021

Research Specialist | Forest Industry Research Program, Bureau of Business and Economic Research, University of Montana, 2015 - 2018

Research Associate | Forest Industry Research Program, Bureau of Business and Economic Research, University of Montana, 2013 - 2015

Research Assistant | Forest Industry Research Program, Bureau of Business and Economic Research, University of Montana, 2011 - 2013

Program Associate | Awards Programs, National Forest Foundation, 2008 - 2011

Program Assistant | Conservation Programs, National Forest Foundation, 2006 - 2008

CURRENT PROJECTS

Pennick McIver, Chelsea; Dennis R. Becker. (in prep). Inside the Black Box: The mediating role of street-level bureaucrats in achieving participatory governance outcomes.

Pennick McIver, Chelsea; Kate C. Marcille; Ashton Hargrave. (in prep). An alternative approach to characterizing federal timber utilization, procurement trends and economic impact areas in the western United States.

Pennick McIver, Chelsea.; Crandall, Mindy. (in prep). Rethinking the Public Lands Burden: Public lands, local governments and policymaking in the American West.

PUBLICATIONS

Publications in Refereed Journals:

Pennick McIver, Chelsea; Cook, Philip S.; Becker, Dennis R. 2021. The Fiscal Burden of Wildfires: State Expenditures and Funding Mechanisms for Wildfire Suppression in the Western U.S. and Implications for Federal Policy. *State and Local Government Review* 53(4): 337-351.

Pennick McIver, Chelsea; Becker, Dennis. R. 2021. An empirical evaluation of the impact of collaboration on the pace and scale of national forest management in Idaho. *Forest Science* 67(1): 49-59.

McIver, Chelsea P.; Metcalf, Alexander L.; Berg, Erik C. 2018. Procurement Contracting and Forest Communities: Factors affecting local business utilization in the inland northwest. *Journal of Forestry* 116(5):412-419.

Sorenson, Colin B.; Keegan, Charles E., III; Morgan, Todd A.; **McIver, Chelsea P.;** Niccolucci, Michael J. 2016. Employment and Wage Impacts of Timber Harvesting and Processing in the United States. *Journal of Forestry* 113(4).

McIver, Chelsea P.; Metcalf, Alexander; Dodson, Elizabeth. 2016. Making Every Dollar Count: Leveraging federal investments in land management to benefit local communities. *Rural Connections* 10(2).

Reviewed Technical Publications:

Marcille, Kate C.; Morgan, Todd A.; McIver, Chelsea P.; Christensen, Glenn A. 2020. California's forest products industry and timber harvest, 2016. Gen. Tech. Rep. PNW-GTR-994. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, 58 p.

McIver, Chelsea P.; Sorenson, Colin B.; Morgan, Todd A. 2018. Wyoming's Forest Products Industry and Timber Harvest, Part I: Timber harvest, products and flow. RMRS-RB-27-1. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. Electronic

McIver, Chelsea P.; Sorenson, Colin B.; Morgan, Todd A. 2018. Wyoming's Forest Products Industry and Timber Harvest, Part II: Industry sectors, capacity and outputs. RMRS-RB-27-2. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. Electronic.

McIver, Chelsea P.; Marcille, Kate C.; Morgan, Todd A. 2018. Wyoming's Forest Products Industry and Timber Harvest, Part III: Sales, employment and economic contribution. RMRS-RB-27-3. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. Electronic

McIver, Chelsea P.; Marcille, Kate C.; Morgan, Todd A. 2018. Wyoming's Forest Products Industry and Timber Harvest, Part IV: Supplemental tables. RMRS-RB-27-4. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. Electronic

Kelly, Erin Clover; McIver, Chelsea P.; Standiford, Richard B.; Haggerty, Mark. 2017. Socioeconomics of the Redwood Region. In Proceedings of the Coast Redwood Science Symposium-2016. Gen. Tech. Rep. PSW-GTR-258. Albany, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, 345-356.

Werstack, Charles E., Jr.; Shaw, John D.; Goeking, Sara A.; Witt, Chris; Menlove, Jim; Thompson, Michael T.; DeRose, R. Justin; Amacher, Micahel C.; Jovan, Sarah; Morgan, Todd A.; Sorenson, Colin B.; Hayes, Steven W.; McIver, Chelsea P. 2016. Utah's Forest Resources, 2003-2012. Resour. Bull. RMRS-RB-20. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, 159 p.

Sorenson, Colin B.; Hayes, Steven W.; Morgan, Todd A.; Simmons, Eric A.; Scudder, Micah G.; McIver, Chelsea P.; Thompson, Michael T. 2016. The Four Corners Timber Harvest and Forest Products Industry, 2012. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, 62 p.

McIver, Chelsea P.; Meek, Joshua P.; Morgan, Todd A.; Christensen, Glenn A. 2015. California's forest products industry and timber harvest, 2012. Gen. Tech. Rep. PNW-GTR-908. Portland, OR: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 49p.

Berg, Erik C.; Gale, Charles B.; Morgan, Todd A.; Brackley, Allen M.; Keegan, Charles E.; Alexander, Susan J.; Christensen, Glenn A.; McIver, Chelsea P.; Scudder, Micah G. 2014. Alaska's timber harvest and forest products industry, 2011. Gen. Tech. Rep. PNW-GTR-903. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 39 p.

Goeking, Sara A.; Shaw, John D.; Witt, Chris; Thompson, Mike T.; Werstack, Charles E. Jr.; Amacher, Michael C.; Stuever, Mary; Morgan, Todd A.; Sorenson, Colin B.; Hayes, Steven W.; McIver, Chelsea P. 2014. New Mexico's forest resources, 2008-2012. Resour. Bull. RMRS-RB-18. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, 144 p.

McIver, Chelsea P.; Sorenson, Colin B.; Keegan, Charles E.; Morgan, Todd A.; Thompson, Mike T. 2014. Wyoming's forest products industry and timber harvest, 2010. Resour. Bull. RMRS-RB-17. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, 29 p.

McIver, Chelsea P.; Sorenson, Colin B.; Keegan, Charles E.; Morgan, Todd A.; Menlove, Jim. 2013. Montana's forest products industry and timber harvest, 2009. Resour. Bull. RMRS-RB-16. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, 42 p.

Other Publications:

McIver, Chelsea P. 2021. "10 Years of Restoration: Measuring the impact of the Collaborative Forest Landscape Restoration Program on local communities in northwest Montana." Missoula, MT: University of Montana, College of Forestry and Conservation, 26 p.

McIver, Chelsea P.; Hogg, Jace; Becker, Dennis R.; Cook, Philip S. 2020. "The Impact of Collaboration on the Pace and Scale of Restoration in Idaho." PAG Report No. 41. Moscow, ID: University of Idaho, College of Natural Resources, Policy Analysis Group. 12 p.

McIver, Chelsea P.; Meyer, Karl; Becker, Dennis R.; Cook, Philip S. 2019. "Analysis of a single payment program for public lands counties in Idaho: Scenarios and Implications." PAG Report No. 40. Moscow, ID: University of Idaho, College of Natural Resources, Policy Analysis Group. 78 p.

McIver, Chelsea P.; Marcille, Kate. "White Paper: Characterizing Federal Timber Flow and Utilization for Input-Output Modeling by the US Forest Service." Missoula, MT: University of Montana, Bureau of Business and Economic Research, 2017. Electronic.

McIver, Chelsea P. 2016. "Measuring the Benefits of the Collaborative Forest Landscape Restoration Program for Local Communities in Northeast Washington." Missoula, MT: University of Montana, Bureau of Business and Economic Research, 26 p.

McIver, Chelsea P. 2016. "Are Forest Restoration Investments Benefiting Local Communities Most in Need?" Missoula, MT: University of Montana, Bureau of Business and Economic Research, 1 p.

McIver, Chelsea P. 2013. "An Assessment of Local Contractor Participation in the Southwestern Crown of the Continent CFLRP Project." Missoula, MT: University of Montana, Bureau of Business and Economic Research, 32 p.

McIver, Chelsea P.; Sorenson, Colin B.; Keegan, Charles E. III; Morgan, Todd A. 2013. "Timber Use, Processing Capacity, and Capability to Utilize Small-Diameter Timber Within USDA Forest Service Region One Timber-Processing Area." Missoula, MT: University of Montana, Bureau of Business and Economic Research, 21 p.

McIver, Chelsea P.; Sorenson, Colin B.; Keegan, Charles E.; Gale, Charles B.; Morgan, Todd A. 2012. "Capacity and Capability of Mills in the Clearwater and Nez Perce National Forests Timber Processing Area." Missoula, MT: University of Montana, Bureau of Business and Economic Research, 9 p.

Sorenson, Colin B.; McIver, Chelsea P.; Keegan, Charles E.; Morgan, Todd A. 2012. "Capacity and Capability of Mills in the Flathead National Forest Timber-Processing Area." Missoula, MT: University of Montana, Bureau of Business and Economic Research, 10 p.

McIver, Chelsea P.; Sorenson, Colin B.; Keegan, Charles E.; Gale, Charles B.; Morgan, Todd A. 2012. "Capacity and Capability of Mills in the Idaho Panhandle National Forest Impact Zone." Missoula, MT: University of Montana, Bureau of Business and Economic Research, 10 p.

Sorenson, Colin B.; McIver, Chelsea P.; Keegan, Charles E.; Gale, Charles B.; Morgan, Todd A. 2012. "Capacity and Capability of Mills in the Kootenai National Forest Impact Zone." Missoula, MT: University of Montana, Bureau of Business and Economic Research, 9 p.

McIver, Chelsea P.; Sorenson, Colin B.; Keegan, Charles B.; Morgan, Todd A. 2012. "Capacity and Capability of Mills in the Lolo National Forest Timber-Processing Area." Missoula, MT: University of Montana, Bureau of Business and Economic Research, 10 p.

Morgan, Todd A.; McIver, Chelsea P.; Sorenson, Colin B.; Keegan, Charles E. III; Hayes, Steven W. 2011. "Montana's Forest Economy: A roller coaster ride through the first decade of the 21st century." Montana Business Quarterly Winter 2011: 2-7.

FUNDED AGREEMENTS AND CONTRACTS

U.S. Forest Service, Pacific Northwest Research Station (Eric White). "Collaborative Governance for Landscape Prioritization: Exploring the Role of Public Managers in Models of Collaborative Governance Outcomes" (\$50,000).

University of Montana/SW Crown Collaborative (Cory Davis). "10 Years of Restoration: Measuring the impact of the Collaborative Forest Landscape Restoration Program on local communities in northwest Montana" (\$10,000)

Montana Department of Natural Resources and Conservation. "County Payments Analysis" (T&E Contract)

U.S. Forest Service, Ecosystem Management Coordination Program (Henry Eichman). "An analysis of timber flow for U.S. national forests" (\$60,000)

U.S. Forest Service, Region Two (Kawa Ng). "Capacity and capability studies for national forests in USFS Region Two" (\$51,500)

U.S. Forest Service, Colville National Forest. "Socioeconomic Direct Effects Monitoring for NEW Forest Vision 2020" (\$27,335)

University of Montana/SW Crown Collaborative (Cory Davis). "The First Five Years: Measuring the Impact of the Collaborative Forest Landscape Restoration Program on Local Communities in NW Montana" (\$20,300)

Montana Department of Natural Resources and Conservation. "Montana Primary Forest Products Manufacturers Directory" (\$11,373)

University of Montana/SW Crown Collaborative (Cory Davis). "Monitoring Subcontracting Trends in the Southwestern Crown of the Continent CFLRP" (\$7,310)

PRESENTATIONS

Academic Presentations:

Pennick McIver, Chelsea. 2021. "The role of bureaucratic behavior in collaborative governance of public lands: An investigation into agency and institutional work within the US Forest Service." 2021 International Association for Society and Natural Resources Conference. Virtual. June 21, 2021.

Pennick McIver, Chelsea. "A new approach to monitoring changes in federal timber consumption and utilization with implications for estimating employment and income." Presented as part of session organized by Mark D.O. Adams entitled "Advancing Methods for Social and Economic Monitoring of Community Resilience in the Context of Resource Management by US Federal Agencies." 2021 International Association for Society and Natural Resources Conference. Virtual. June 24, 2021.

McIver, Chelsea P. 2018. "Can Evidence of a Public Lands Burden Be Found?" Western Forest Economists Annual Meeting. Olympia, WA, June 4, 2018.

McIver, Chelsea P. 2016. "CFLRP and the Mediating Influence of Federal Contract Regulations on Benefit to Local Communities." SAF National Convention. Madison, WI, November 4, 2016.

McIver, Chelsea P. 2015. "A Comparison of Open and Set-Aside Procurement Contracts on Local Benefit to Forest-Dependent Communities." Rural Sociological Society Annual Meeting. Madison, WI, August 8, 2015.

McIver, Chelsea P. 2014. "Who Gets the Work? Measuring the Benefits of the Collaborative Forest Landscape Restoration Program in Western Montana." Western Forest Economists Meeting. Missoula, MT. May 20, 2014.

Organized Sessions:

"Institutional work in federal lands governance: local perspectives from the Western US." *International Association for Society and Natural Resources Conference*, Virtual, June 2021. Co-convenor: Katherine Wollstein.

Invited Presentations:

McIver, Chelsea P., Dennis R. Becker. 2020. "Collaboration in the Intermountain West: Impacts on pace, scale and agency decision-making." Idaho Forest Restoration Partnership Meeting. Virtual. April 15, 2020.

McIver, Chelsea P. 2018. "County Payments: Past, Present and Future." Public Lands Committee of the Idaho Association of Counties. Boise, ID, September 25, 2018.

McIver, Chelsea P. 2018. "Collaboration in the Intermountain West: A project to understand how collaboration is impacting the pace and scale of restoration." Ecosystem Management and Coordination, Washington Office, US Forest Service. Virtual, August 30, 2018.

McIver, Chelsea P. 2018. "Building Wealth in Rural Communities: county payments and beyond." Mineral County Resource Coalition, Superior, MT, May 8, 2018.

McIver, Chelsea P. 2018. Understanding County Payments: A Case Study. Montana Forest Counties Summit. Missoula, MT, May 1-2, 2018.

McIver, Chelsea P. 2018. Building Wealth in Rural Communities. Panel on Honing Your Collaboration Skills, Regional Forest Restoration Workshop. Coeur d'Alene, ID, March 20-21, 2018.

McIver, Chelsea P. 2016. The Impact of the Collaborative Forest Landscape Restoration Program on Communities in Northeast Washington. Northeast Washington Forestry Coalition Joint Meeting with Colville National Forest. Colville, WA March 17, 2016.

McIver, Chelsea P. 2014. Monitoring Stewardship Contracts. Panel on Landscape Stewardship. SmallWood Conference, Rochester, MN June 4-5, 2014.

NEWS MEDIA INTERVIEWS

Interview, "How effective is the Forest Service's public engagement process?" Interview with Carl Segerstrom for feature in High Country News. March 24, 2021.

Interview, "The Changing Politics of Woods Work: Cash-strapped agencies use private contractors to the detriment of local communities." Interview with Hal Herring for High Country News. March 2017.

TECHNICAL SKILLS

Cartography, GIS & Spatial Statistics | ArcGIS, Adobe Illustrator, R.

- *Point pattern analysis, spatial autoregressive models*

Design | Adobe InDesign & Illustrator

- *Data visualization, infographics*

Data Analysis & Statistics | R, SPSS, Excel, NVivo

- *Multivariate analysis, logistic regression, hierarchical models*

LEADERSHIP AND SERVICE

Lolo Restoration Committee | Member 2011 to present

- *Served as co-chair of committee (2010-2013)*

Rural Voices for Conservation Coalition (RVCC) | Member 2015 to present

- *Leadership Team: provide guidance on strategic priorities and organizational development (2019 to present)*

- *Rural Development for Land Stewardship Working Group: contribute to policy discussions, position statements and issue papers on topics related to stewardship contracting, collaboration, other contracting authorities.*

Southwestern Crown of the Continent Collaborative Member, Monitoring Committee	2012 to 2020
<ul style="list-style-type: none"> • <i>Chaired the Socioeconomic Monitoring Subcommittee (2012-2015)</i> • <i>Conducted monitoring to understand local benefits deriving from CFLRP expenditures</i> 	
Society of American Foresters Member	2010 to present
Montana Forest Restoration Committee Coordinator	2006 to 2011
Missoula Community Food Co-op Board Member	2006 to 2009

AWARDS/FELLOWSHIPS

Best Field Note Award, <i>State and Local Government Review</i>	2022
Mollie Beattie Visiting Scholar in Forest Policy Society of American Foresters	2018-2019
<ul style="list-style-type: none"> • <i>\$7,500 fellowship to support research and travel to DC</i> 	
Breaking the Gridlock Award US Forest Service, Region One	2008
<ul style="list-style-type: none"> • <i>Received on behalf of the Montana Forest Restoration Committee/Lolo Restoration Committee</i> 	
Distinguished Senior Award Sociology Department, University of Montana	2006