

# JORDAN W. SMITH

[WWW.SMITHLABUSU.COM](http://WWW.SMITHLABUSU.COM)

5215 Old Main Hill, BNR 289  
Logan, Utah 84322-5215  
[jordan.smith@usu.edu](mailto:jordan.smith@usu.edu)  
(435) 797-9174 (office)

ORCID  
Google Scholar  
ResearchGate

## SHORT BIO

Jordan W. Smith is the Director of the Institute of Outdoor Recreation and Tourism and an Assistant Professor in the Department of Environment and Society at Utah State University. Prior to joining Utah State, Jordan was an Assistant Professor of Natural Resource Social Science and GIS at NC State. Jordan earned his Ph.D. in Parks, Recreation and Tourism Management with minors in both Geospatial Information Systems and Sociology from NC State. Jordan completed both his master's and undergraduate degrees from Utah State University. Off-campus, Jordan is an active road cyclist and triathlete.

## RESEARCH PROGRAM

Jordan's research program examines the adaptive behavior of outdoor recreationists and natural resource dependent communities affected by climate change. He uses social media analytics, geospatial modeling and stated choice methods to understand contingent behaviors and preferences.

## OUTREACH PROGRAM

Jordan's outreach work provides resource management personnel, elected officials, private industries and the general public with a better understanding of the social and economic trade-offs faced by individuals, communities and tourism destinations affected by climate change.

## EDUCATION

NC State University	Parks, Recreation and Tourism Management • Minor: Geographic Information Systems • Minor: Sociology	PhD (2011)
Utah State University	Recreation Resource Management	MS (2008)
Utah State University	Landscape Architecture and Environmental Planning • Cum Laude and Departmental Honors	BLA (2006)

## PROFESSIONAL APPOINTMENTS

2016 –	Director, Institute of Outdoor Recreation and Tourism Assistant Professor Department of Environment and Society	Utah State University
2013 – 2015	Assistant Professor of Natural Resource Social Science and GIS Department of Parks, Recreation and Tourism Management	NC State University
2012 – 2013	Research Assistant Professor of Human Dimensions Department of Parks, Recreation and Tourism Management	NC State University
2011 – 2012	Visiting Assistant Professor of Human Dimensions Department of Forestry and Natural Resources	Purdue University
2010 – 2011	Cooperative Ecosystems Studies Units Fellow	Dept. of the Interior
2008 – 2011	Hofmann Research Fellow	NC State University
2006 – 2008	Research Assistant	Utah State University
2005 – 2006	Intern, Landscape Architecture	Bureau of Land Management

**ADJUNCT APPOINTMENTS**

2016 – Adjunct Assistant Professor  
Department of Parks, Recreation and Tourism Management

NC State University

**CERTIFICATES**

**Graduate Certificate in Geographic Information Systems**

Development of advanced application expertise in geographic information systems earned through the completion of 15 academic credits in geographic information systems and technology at NC State University.

## EXTENSION AND RESEARCH FUNDING

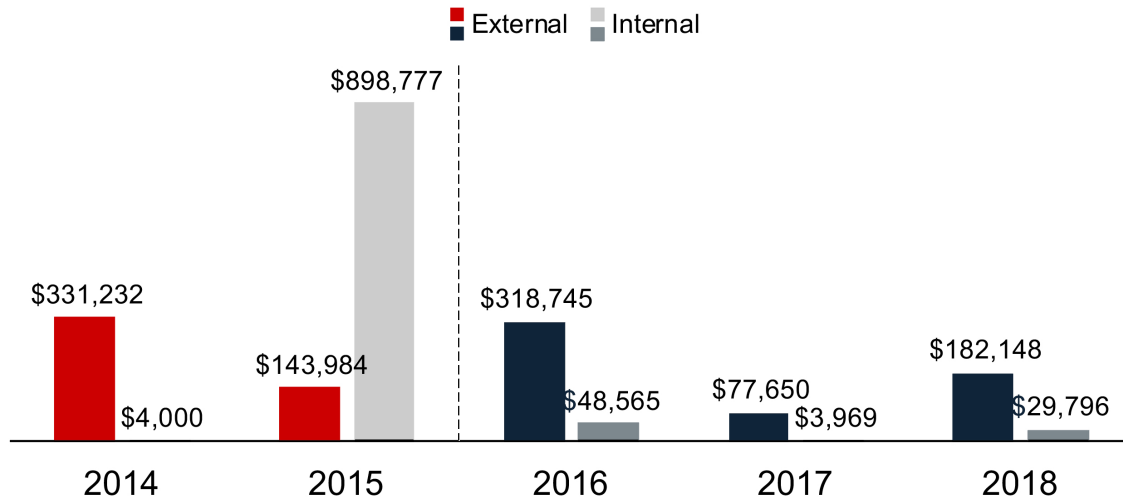
**EXTERNAL:**

**AS PI:** \$722,938  
**AS CO-PI:** \$2,713,334  
**TOTAL:** \$3,436,272

**INTERNAL:**

**AS PI:** \$90,830  
**AS CO-PI:** \$898,777  
**TOTAL:** \$989,607

Amount of Funded Grants by Year (Since 2014)



**EXTERNAL GRANTS, CONTRACTS AND COOPERATIVE AGREEMENTS RECEIVED:**

1. **Smith, J. W.**, & Messmer, T. (2018-2019). Amount: \$35,000. *Utah lands management evaluation and assessment*. Utah Watershed Initiative, Utah Department of Natural Resources.
2. **Smith, J. W.** (2018-2019). Amount: \$79,763. *Dixie National Forest national visitor use monitoring study: Round four*. USDA Forest Service.
3. Belmont, P., **Smith, J. W.**, Flint, C., Adler, P., & Givens, J. (2018-2019). Amount: \$40,000. *Impacts of climate change to lands managed by the Bureau of Land Management in the western United States*. The Wilderness Society.
4. **Smith, J. W.**, Dorning, M. A., Van Berkel, D., & Beck, S. M. (2018). Amount: \$14,885. *Identifying the benefits of cultural resources and iconic views through social media*. The City of Boulder Open Space and Mountain Parks Department.
5. **Smith, J. W.** (2018). Amount: \$12,500. *An assessment of current outdoor recreation use in the Sheeprock Mountains*. Yamaha Outdoor Access Initiative.
6. **Smith, J. W.** (2017-2018). Amount: \$77,650. *Fishlake National Forest national visitor use monitoring study: Round four*. USDA Forest Service.
7. **Smith, J. W.** (2016-2017). Amount: \$20,888. *The economic impact of snowmobiling in Utah*. Utah Snowmobile Association.
8. **Smith, J. W.** (2016-2017). Amount: \$81,320. *Ashley National Forest national visitor use monitoring study: Round four*. USDA Forest Service.
9. **Smith, J. W.**, & Burr, S. W. (2016-2017). Amount: \$144,780. *Uinta-Wasatch-Cache National Forest national visitor use monitoring study: Round four*. USDA Forest Service.

10. **Smith, J. W.** (2016-2018). Amount: \$71,757. *Joint National Park Service / Institute of Outdoor Recreation and Tourism Washington DC Graduate Student Fellowship*. National Park Service.

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11. **Smith, J. W.**, & Smart, L. S. (2015-2016). Amount: \$9,200. *Technical analysis to support an assessment of environmental indicators in the Albemarle-Pamlico watershed*. Albemarle-Pamlico National Estuary Partnership, NC Department of Environment and Natural Resources.
12. Seekamp, E., **Smith, J. W.**, Booker, M., Peterson, M. N., Nelson, S., Cakir, J., & Irwin, E. R. (2015-2016). Amount: \$134,784. *Connecting landscape adaptation and national cultural resource policy to climate change and cultural resource adaptation decisions*. USGS, Southeast Climate Science Center.
13. Seekamp, E., & **Smith, J. W.** (2014-2017). Amount: \$148,000. *Informing plans for managing resources of Cape Lookout National Seashore under projected climate change, sea level rise, and associated impacts*. National Park Service.
14. Davenport, M. A., Enzler, S., Nieber, J., Wilson, B., Messer, C., Kanazawa, M., Seekamp, E., & **Smith, J. W.** (2014-2016). Amount: \$183,232. *Building climate readiness in nature-based tourism-dependent coastal communities*. Minnesota Sea Grant.
15. Pijanowski, B. C., Shepardson, D., Song, C., Lisle, B., & **Smith, J. W.** (2013-2017). Amount: \$1,995,532. *Collaborative research: Global soundscapes! Full scale development: The big data, big screens, open ears project*. National Science Foundation, Directorate for Education and Human Resources, Advancing Informal STEM Learning (AISL).
16. **Smith, J. W.**, Slocumb, W. S., & Smith, C. T. (2013-2016). Amount: \$175,195. *Needs assessment and guidance to define a clear vision for a geospatial mapping system to service the needs and opportunities of the National Park Service Conservation and Outdoor Recreation Branch and related programs* (Original award: \$20,000 (2013-2014); Modification 1: \$94,997 (2014-2016); Modification 2: \$25,318 (2016); Modification 3: \$34,880 (2017)). National Park Service.
17. Leung, Y. -F., & **Smith, J. W.** (2013-2019). Amount: \$199,386. *Annual information exchange for U.S. state park systems*. National Association of State Park Directors.
18. Moore, R. L., & **Smith, J. W.** (2010-2011). Amount: \$10,000. *Adapting to changing environmental conditions*. National Science Foundation, Division of Social and Economic Sciences, Sociology (Doctoral Dissertation Improvement Grant).
19. Anderson, D. H., & **Smith, J. W.** (2009). Amount: \$2,500. *Pilot test of rapid assessment protocol for assessing social capital in National Forest associated communities*. National Oceanic and Atmospheric Administration.

#### INTERNAL GRANTS, CONTRACTS, AND COOPERATIVE AGREEMENTS RECEIVED:

1. **Smith, J. W.** (2018-2019). Amount: \$29,796. *Determining Utah's most visited places using social media data*. Utah State University Extension.
2. **Smith, J. W.** (2017). Amount: \$3,969. *Institute of Outdoor Recreation and Tourism Communications Intern*. Utah State University Extension.
3. **Smith, J. W.** (2016). Amount: \$9,999. *Hydrologic conditions and demand for river recreation in the North Fork of the Virgin River Wilderness Study Area*. Utah State University Extension.
4. **Smith, J. W.** (2016). Amount: \$3,969. *Institute of Outdoor Recreation and Tourism Communications Intern*. Utah State University Extension.

5. **Smith, J. W.**, Baggio, J., & Null, S. (2016). Amount: \$34,597. *Developing a coupled socio-hydrological agent-based model to examine the demand for and supply of outdoor recreation and tourism opportunities under future climate scenarios*. Utah State University, Office of Research and Graduate Studies, Seed Program to Advance Research Collaborations.

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6. Emanuel, R., Seekamp, E., Dasmohapatra, S., Moorman, C., & **Smith, J. W.** (2015-2018). Amount: \$898,777. *Socio-ecological solutions to the salinization of Albemarle-Pamlico Peninsula: An interdisciplinary assessment of land and water resources and community climate readiness*. NC State University, College of Natural Resources, Building Interdisciplinary Strengths in Thematic Areas.
7. **Smith, J. W.** (2014-2015). Amount: \$4,000. *Contingent valuation of the aesthetic and acoustic impacts of multiple ecological disturbances*. NC State University, College of Natural Resources, Faculty Research and Professional Development.
8. McAreavy, D.\*, & **Smith, J. W.** (2013 – 2014). Amount: \$500. *Use of GPS enabled smartphone technology for inventorying and monitoring resource conditions in urban park settings*. NC State University, College of Natural Resources, Undergraduate Research Grant. \*Undergraduate advisee.
9. **Smith, J. W.**, Morais, D. B., Barbieri, C., & Seekamp, E. (2013-2014). Amount: \$4,000. *Contingent valuation of multi-functional agricultural landscapes using virtually simulated environments and online marketplaces*. NC State University, College of Natural Resources, Faculty Research and Professional Development.

#### GRANTS, CONTRACTS, AND COOPERATIVE AGREEMENTS UNDER REVIEW:

1. Ward, C., Wray, P., Hill, P., Curtis, K., & **Smith, J. W.** (2019-2020). Amount: \$29,727. *Creative entrepreneurship in rural Utah*. Utah State University Extension.
2. **Smith, J. W.** (2018-2019). Amount: \$49,350. *Operational management of Newton and Lost Creek reservoirs*. U.S. Bureau of Reclamation.
3. **Smith, J. W.** (2018-2019). Amount: \$10,000. *Evaluation of projects funded through the Utah Office of Outdoor Recreation grants program*. Utah Office of Outdoor Recreation.

#### UNFUNDED SUBMISSIONS IN REVISION

1. **Smith, J. W.** (2015-2017). Amount: \$375,252. *Adapting to alternative climate futures: The role of informational networks and psychological distance*. National Science Foundation, Directorate for Social, Behavioral & Economic Sciences, Behavioral and Cognitive Sciences, Social Psychology.
4. **Smith, J. W.**, Wilson, B., & Seekamp, E. (2017-2020). Amount: \$499,812. *CNH:RCN The Coupled Outdoor Recreation and Ecohydrologic Systems (CORES) Research Coordination Network*. National Science Foundation, Dynamics of Coupled Natural and Human Systems.
5. **Smith, J. W.** (2018-2020). Amount: \$228,018. *Network effects in climate change adaptation decisions*. National Science Foundation, Directorate for Social, Behavioral & Economic Sciences, Sociology and Decision, Risk and Management Sciences.

## EXTENSION PRODUCTS AND PROGRAMS

### OUTREACH PRODUCTS:

#### WEBSITES

1. [extenstion.usu.edu/iort](http://extenstion.usu.edu/iort) – Website developed to provide interested individuals with data, information, and knowledge that will lead to a better understanding of the trade-offs and consequences associated with providing outdoor recreation opportunities on public lands throughout Utah and the Intermountain West. Launched: May 10, 2016. Usage statistics: 2,114 sessions; 2,313 users; 11,259 pageviews; 3.27 pages/session; 2:45 minute average session duration.
2. [northshoreclimate.com](http://northshoreclimate.com) – Website designed and deployed to provide practical and scientifically-grounded information to the residents of Minnesota’s North Shore region regarding how climate change will impact outdoor recreation and tourism throughout the region. Launched: February 22, 2016. Usage statistics: 2,175 sessions; 1,684 users; 5,776 pageviews; 2.66 pages/session; 2:25 minute average session duration.

#### PEER REVIEWED EXTENSION PUBLICATIONS (PUBLISHED)

1. Gilbert, L., **Smith, J. W.**, & Leung, Y. –F. (2017). *The technical efficiency of state park systems: Results from 31-years of data.* (IORT-PR-2017-01). Logan, UT: Institute of Outdoor Recreation and Tourism, Utah State University.
2. Gilbert, L., **Smith, J. W.**, & Leung, Y. –F. (2017). *Which state park systems are most cost efficient at providing outdoor recreation opportunities?* (IORT-PR-2017-02). Logan, UT: Institute of Outdoor Recreation and Tourism, Utah State University.
3. Gilbert, L., **Smith, J. W.**, Van Berkel, D., & van Zanten, B. (2016). *Tapping into social media data to identify the public’s most valued landscapes.* (IORT-PR-2016-07). Logan, UT: Institute of Outdoor Recreation and Tourism, Utah State University.
4. Gilbert, L., **Smith, J. W.**, van Zanten, B., & Van Berkel, D. (2016). *Mapping landscape values using social media.* (IORT-PR-2016-06). Logan, UT: Institute of Outdoor Recreation and Tourism, Utah State University.
5. Gilbert, L., **Smith, J. W.**, & Davenport, M. A. (2016). *How will climate change affect winter recreation? Recent research from Northern Minnesota.* (IORT-PR-2016-05). Logan, UT: Institute of Outdoor Recreation and Tourism, Utah State University.
6. Gilbert, L., & **Smith, J. W.** (2016). *How will climate change affect freshwater fishing?* (IORT-PR-2016-02). Logan, UT: Institute of Outdoor Recreation and Tourism, Utah State University.
7. Gilbert, L., & **Smith, J. W.** (2016). *The impact of climate change on inland recreational fishing: A review of scientific knowledge.* (IORT-PR-2016-01). Logan, UT: Institute of Outdoor Recreation and Tourism, Utah State University.
8. **Smith, J. W.**, Burr, S. W., Reiter, D. K., & Zeitlin, J. M. (2009). *Recreational off-highway vehicle use on public lands within Utah* (IORT/018). Logan, UT: Institute of Outdoor Recreation and Tourism, Utah State University.
9. **Smith, J. W.**, Burr, S. W., & Reiter, D. (2008). *Outdoor recreation participation and community recreation needs in Utah* (IORT-PR-2008-02). Logan, UT: Institute of Outdoor Recreation and Tourism, Utah State University.
10. Burr, S. W., **Smith, J. W.**, Reiter, D., Jakus, P., & Keith, J. (2008). *Recreational off-highway vehicle use on public lands within Utah* (IORT-PR-2008-01). Logan, UT: Institute of Outdoor Recreation and Tourism, Utah State University.

#### PEER REVIEWED EXTENSION PUBLICATIONS (IN REVIEW)

1. Gilbert, L., **Smith, J. W.**, & Seekamp, E. (2019). *Sign of the times: Do educational messages change how people view trails?* (IORT-PR-2019-01). Logan, UT: Institute of Outdoor Recreation and Tourism, Utah State University.
2. Gilbert, L., **Smith, J. W.**, & Seekamp, E. (2019). *Perceptions of degraded trails: The influence of educational messaging and presentation method.* (IORT-PR-2019-01). Logan, UT: Institute of Outdoor Recreation and Tourism, Utah State University.

#### NON-PEER REVIEWED EXTENSION PUBLICATIONS

1. van Berkel, D., Beck, S., Dorning, M., Wilkins, E. J.<sup>†</sup>, Zhang, H.<sup>†</sup>, & **Smith, J. W.** (2018). *Aesthetic characteristics of the Front Range: An analysis of viewsheds provided by Boulder OSMP lands.* Logan, UT: Institute of Outdoor Recreation and Tourism, Department of Environment and Society, Utah State University.
2. **Smith, J. W.**, & Leung, Y. -F. (2018). *2018 outlook and analysis letter: The vital statistics of America's state park systems.* Logan, UT: Institute of Outdoor Recreation and Tourism, Department of Environment and Society, Utah State University.
3. **Smith, J. W.**, Muhlestein, B.<sup>†</sup>, Chelak, M., Belton, L., & Messmer, T. (2018). *Sheeprock Mountains visitor use report.* Logan, UT: Institute of Outdoor Recreation and Tourism, Department of Environment and Society, Utah State University.
4. Wilkins, E. J.<sup>†</sup>, Zhang, H.<sup>†</sup>, van Berkel, D., Dorning, M., Beck, S., & **Smith, J. W.** (2018). *Landscape values and aesthetic preferences across the front range: Visitors' perceptions of the values provided by Boulder OSMP lands and their aesthetic preferences for specific landscape features.* Logan, UT: Institute of Outdoor Recreation and Tourism, Department of Environment and Society, Utah State University.
5. Sausser, B.<sup>†</sup>, & **Smith, J. W.** (2018). *Elevating outdoor recreation together: Opportunities for synergy between the National Park Service and state offices of outdoor recreation.* Logan, UT: Institute of Outdoor Recreation and Tourism, Department of Environment and Society, Utah State University.
6. **Smith, J. W.**, & Lamborn, C. C.<sup>†</sup> (2017). *The economic impact of snowmobiling in Utah.* Logan, UT: Institute of Outdoor Recreation and Tourism, Department of Environment and Society, Utah State University.
7. McCreary, A.<sup>†</sup>, Seekamp, E., Davenport, M. A., & **Smith, J. W.** (2017). *Understanding visitor behaviors and responses to climate change projections.* Raleigh, NC: NC State Extension, NC State University.
8. **Smith, J. W.**, & Leung, Y. -F. (2017). *2017 outlook letter: A report prepared for the National Association of State Park Directors.* Logan, UT: Institute of Outdoor Recreation and Tourism, Department of Environment and Society, Utah State University.
9. **Smith, J. W.**, & Leung, Y. -F. (2016). *2016 outlook and analysis letter: A report prepared for the National Association of State Park Directors.* Logan, UT: Institute of Outdoor Recreation and Tourism, Department of Environment and Society, Utah State University.

#### NON-PEER REVIEWED EXTENSION PUBLICATIONS (POSTER PRESENTATIONS AT WORKSHOPS)

1. Smart, L. S., Meentemeyer, R. K., & **Smith, J. W.** (2017, November). *A decade of land change on the APP.* Poster presented at the Building Adaptive Capacity to Flooding and Saltwater Intrusion on the Albemarle-Pamlico Peninsula Community Workshop. Columbia, North Carolina.

2. Smart, L. S. Tallie, P. J., **Smith, J. W.**, & Meentemeyer, R. K. (2017, October). *Mapping coastal vegetation change*. Poster presented at the Salinization in Eastern North Carolina: Monitoring, Management, and Mitigation workshop. Manteo, North Carolina.

#### **NON-PEER REVIEWED EXTENSION PUBLICATIONS (FACT SHEETS PRESENTED AT WORKSHOPS)**

1. Davenport, M. A., Seekamp, E., & **Smith, J. W.** (2017). North Shore community climate readiness project: Visitor sensitivity. St. Paul, MN: University of Minnesota.

#### **NON-PEER REVIEWED OUTREACH MATERIALS (NEWSLETTER ARTICLES)**

1. **Smith, J. W.** (October 2018). The more you know – the more you grow: Utah Lands Management and Assessment Network. *The Communicator: A Quarterly Publication of Utah's Community-based Conservation Program*.

#### **WEBINARS (INVITED PRESENTER)**

1. Peterson, D., & **Smith, J. W.** (2018, March 26). [Shifting trends in outdoor recreation activity across California](#). In L. Y. Buluc (Coordinator), *Sustainable recreation – A system-level review of the opportunities & challenges*. Webinar organized by the USDA Forest Service Region 5 Climate Change Integration Team. Webinar participants/viewers: ~46.
2. **Smith, J. W.** (2017, March 22). [How the spatial and temporal availability of freshwater affects outdoor recreation in the high deserts of the Intermountain West, USA](#). In L. Ziemann (Coordinator), *Effects of drought on recreation and wilderness*. Webinar organized by the USDA Forest Service Office of Sustainability and Climate. Webinar participants/viewers: ~250.

#### **MEDIA COVERAGE**

##### **STORIES FEATURING EXTENSION, RESEARCH AND TEACHING PRODUCTS AND PROGRAMS**

###### *Media outlet*

###### *Cache Valley Daily*

1. Henline, M. (2017, January 25). [USU researchers study carbon sequestration incentive for land owners](#). *Cache Valley Daily*.

###### *Daily Herald*

1. Allred, C. (2016, June 7). [Survey shows locals love American Fork Canyon just the way it is](#). *Daily Herald*.

###### *Herald Journal*

1. Opsahl, K. (2018, March 8). [USU study: Some Utah national parks see higher visitors despite increased heat](#).
2. Opsahl, K. (2016, November 4). [USU prof. examines social media photos to help land managers](#). *Herald Journal*.

###### *Idaho Press-Tribune*

1. Opsahl, K. (2017, December 19). [USU report: Utah snowmobilers decline despite increasing population](#). *Idaho Press-Tribune*.

###### *KSL.com*

1. Richards, C. (2018, March 9). [Some Utah national parks get fewer visitors when it gets too hot, USU study says](#). *KSL.com*
2. Associated Press. (2017, December 25). [Report: Snowmobilers decline despite rising Utah population](#). *KSL.com*



*London School of Economics USAPP – American Politics and Policy Blog*

1. Lamborn, C. C., & Smith, J. W. (2017, October 18). [Asking for a fee – even a small one – changes the way people use the outdoors](#). *London School of Economics USAPP – American Politics and Policy Blog*.

*NC State University College of Natural Resources News*

1. [Researchers get SALT-y over climate change](#) (2017, October 10). *NC State University College of Natural Resources News*.

*Outdoor Industry Association News*

1. Sanford, J. (2018, March 15). [13 huge wins for outdoor recreation](#). *Outdoor Industry Association News*.

*Outside Online*

1. Sanford, J. (2018, August 9). [States: Want an outdoor rec economy? Pay up](#). *Outside Online*.

*Salt Lake Tribune*

1. Maffly, B. (2016, December 24). [As snowmobiles lose popularity in Utah, retrofitted UTVs and motorcycles gain more traction](#). *Salt Lake Tribune*.
2. Maffly, B. (2016, November 23). [Worth their weight in likes: Instagram posts can show the value of Utah landscapes, researchers say](#). *Salt Lake Tribune*.

*Standard-Examiner*

1. Larsen, L. (2017, December 22). [Snowmobiling on the decline in Utah, but still moves millions through Weber Co](#). *Standard-Examiner*.
2. Larsen, L. (2017, July 16). [Study shows public land user fees leave low-income citizens feeling priced out](#). *Standard-Examiner*.

*Travel + Leisure*

1. Avakian, T. (2016, November 4). [How your vacation photo posts help scientists](#). *Travel + Leisure*.

*U.S. News and World Report*

1. [Report: Snowmobilers decline despite rising Utah population](#) (2017, December 20). *U.S. News and World Report*.

*Utah Public Radio*

1. Leavitt, S. (2018, December 3). [Wild about Utah: Enjoying Utah's Backcountry with Snowmobiles](#). *Utah Public Radio*.
2. Hager, R. (2018, December 6). [New study on recreation in the Sheeprock Mountains shows unusual use](#). *Utah Public Radio*.
3. Laplante, M. (2018, November 30). [UnDisciplined: The nanotechnologist and the environmental social scientist](#). *Utah Public Radio*.
4. Gayle, R. (2018, July 17). [Loving our lands: Who foots the bill for increasing maintenance backlog?](#) *Utah Public Radio*.
5. Gayle, R. (2018, June 26). [Spatial development and design drive water use, according to new study](#). *Utah Public Radio*.

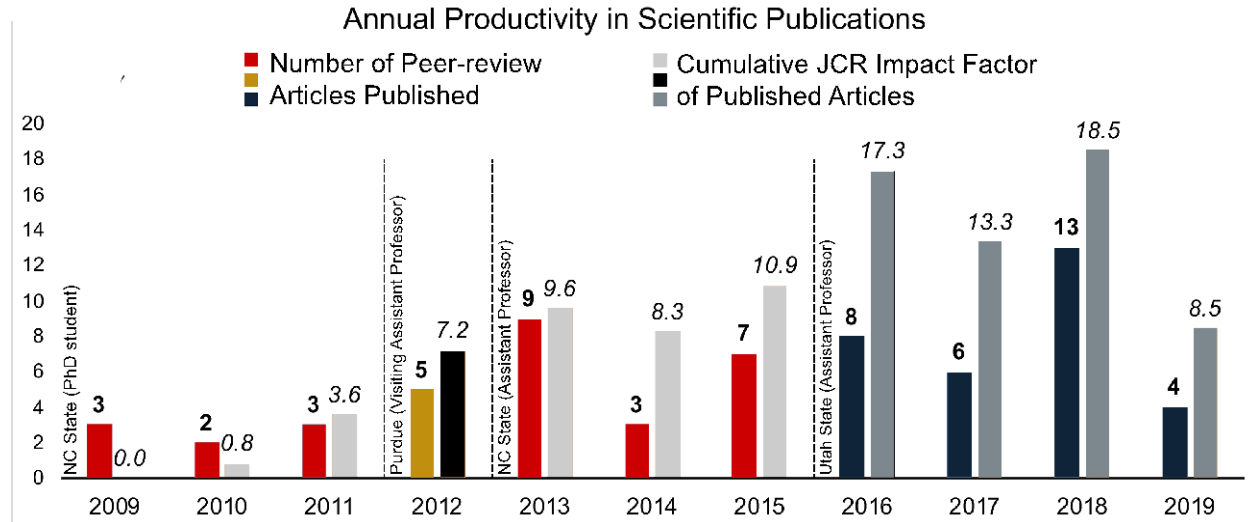
*Utah State Today*

1. Gilbert, L. (2018, November 28). [A finger on the pulse of U.S. state parks.](#) *Utah State Today*.
2. Hillyard, T. (2018, March 1). [When hot is too hot.](#) *Utah State Today*.
3. Gilbert, L. (2017, July 10). [Small fees for access to public lands changes how some use the outdoors.](#) *Utah State Today*.
4. Muffoletto, M. (2017, January 19). [Forests can temper effects of urban growth say USU researchers.](#) *Utah State Today*.
5. Gilbert, L. (2016, November 3). [Your vacay photo social media posts help science says USU researcher.](#) *Utah State Today*.

## SCHOLARSHIP

### CITATION INDICES:

CITATIONS: **881** | H-INDEX: **16** | I10-INDEX: **24**



### PUBLICATIONS:

#### PEER REVIEWED ARTICLES (PUBLISHED AND IN PRESS) [JCR IMPACT FACTOR]

1. Matney, J. A., Slocumb, W. S., **Smith, J. W.**, Bonsall, P., & Supak, S. K. (in press). Implementation and evaluation of a geospatial management solution for the U.S. National Park Service's Rivers, Trails, and Conservation Assistance Program. *Journal of Park and Recreation Administration*. [n/a]
2. McCreary, A.<sup>†</sup>, Seekamp, E., Davenport, M. A., & **Smith, J. W.** (in press). Exploring qualitative applications of social media data for place-based assessments in destination planning. *Current Issues in Tourism*. [3.462]
3. Wilkins, E. J.<sup>†</sup>, **Smith, J. W.**, & Keane, R.<sup>†</sup> (in press). Social media communication preferences of national park visitors. *Applied Environmental Education & Communication*. [n/a]
4. KC, B., Morais, D. B., Peterson, M. N., Seekamp, E., & **Smith, J. W.** (in press). Social network analysis of wildlife tourism microentrepreneurial network. *Tourism and Hospitality Research*. [n/a]
5. Koch, J., Dorning, M. A., Van Berkel, D. B., Beck, S. M., Sanchez, G. M.<sup>†</sup>, Shashidharan, A., Smart, L. S.<sup>†</sup>, Zhang, Q., **Smith, J. W.**, & Meentemeyer, R. K. (2019). Modeling landowner interactions and development patterns at the urban fringe. *Landscape and Urban Planning*, 182, 101-113. [4.994]
6. Li, J., Burroughs, K., Halim, M. F., Penbrooke, T. L., Seekamp, E., & **Smith, J. W.\*** (2018). Assessing soundscape preferences and the impact of specific sounds on outdoor recreation activities using qualitative data analysis and immersive virtual environment technology. *Journal of Outdoor Recreation and Tourism*, 24, 66-73. \*Corresponding author [n/a]
7. Hestetune, A.<sup>†</sup>, McCreary, A.<sup>†</sup>, Holmberg, K., Wilson, B., Seekamp, E., Davenport, M. A., & **Smith, J. W.\*** (2018). Research note: Climate change and the demand for summer visitation on Minnesota's North Shore. *Journal of Outdoor Recreation and Tourism*, 24, 21-25. \*Corresponding author, [n/a]

8. Zhang, H.<sup>†</sup>, & **Smith, J. W.** (2018). [Weather and air quality drive the winter use of Utah's Big and Little Cottonwood Canyons](#). *Sustainability*, *10*(10), 3582. [2.075]
9. Baran, P. K., Tabrizian, P., Zhai, Y., **Smith, J. W.**, & Floyd, M. F. (2018). [An exploratory study of perceived safety in a neighborhood park using immersive virtual environments](#). *Urban Forestry and Urban Greening*, *35*, 72-81. [2.782]
10. **Smith, J. W.**, Brownlee, M. T. J., & Seekamp, E. (2018). [Introduction to the special issue on climate change and outdoor recreation: Shifting supply and demand](#). *Journal of Park and Recreation Administration*, *36*(2), ix-xii. [n/a]
11. McCreary, A.<sup>†</sup>, Fatorić, S., Seekamp, E., **Smith, J. W.**, Kanazawa, M., & Davenport, M. A. (2018). [The influences of place meanings and risk perceptions on visitors' willingness to pay for climate change adaptation planning in a nature-based tourism destination](#). *Journal of Park and Recreation Administration*, *36*(2), 121-140. [n/a]
12. Dupéy, L. N.<sup>†</sup>, & **Smith, J. W.**\* (2018). [An integrative review of empirical research on the perceptions and behaviors related to prescribed burning and wildfire](#). *Environmental Management*, *61*(6), 1002-1018. \*Corresponding author, [1.875]
13. Sanchez, G. M.<sup>†</sup>, **Smith, J. W.**, Terando, A., Sun, G., & Meentemeyer, R. K. (2018). [Spatial patterns of development drive water use](#). *Water Resources Research*, *54*, 1633-1649. [4.397]
14. Jones, G. J., Edwards, M. B., Bocarro, J. N., Bunds, K. S., & **Smith, J. W.** (2018). [Leveraging community sport organizations to promote community capacity: Strategic outcomes, challenges, and theoretical considerations](#). *Sport Management Review*, *21*(3), 279-292. [2.128]
15. **Smith, J. W.**, Wilkins, E. J.<sup>†</sup>, Gayle, R.<sup>†</sup>, & Lamborn, C. C.<sup>†</sup> (2018). [Climate and visitation to Utah's "Mighty 5" national parks](#). *Tourism Geographies*, *20*(2), 250-272. [1.663]
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#### PEER REVIEWED ARTICLES (UNDER REVIEW)

1. **Smith, J. W.**, Wilkins, E. J., & Leung, Y. -F. (2019). The future of America's state park systems. Manuscript submitted for publication to *Proceedings of the National Academy of Sciences*.
2. KC, B., Morais, D. B., **Smith, J. W.**, Peterson, M. N., & Seekamp, E. (2019). Using social network analysis to understand trust, reciprocity, and togetherness in wildlife tourism microentrepreneurship. Manuscript submitted for publication to the *Journal of Hospitality and Tourism Management*.
3. Lamborn, C. C.<sup>†</sup>, & **Smith, J. W.** (in prep). Human perceptions of, and adaptations to, shifting runoff cycles: A case-study of the Yellowstone River (Montana, USA). Manuscript being prepared for *Fisheries Research*.
4. McCreary, A.<sup>†</sup>, Seekamp, E., Larson, L. L., **Smith, J. W.**, & Davenport, M. A. (2019). Predictors of visitors' climate-related coping behaviors in a nature-based tourism destination. Manuscript submitted to *Journal of Outdoor Recreation and Tourism*.

5. Sausser, B.<sup>†</sup>, **Smith, J. W.**, Monz, C., & Dorsch, T. (2019). The formation of state offices of outdoor recreation and an analysis of their ability to partner with federal land management agencies. Manuscript submitted to *Journal of Outdoor Recreation and Tourism*.
6. McCreary, A.<sup>†</sup>, Seekamp, E., Larson, L., **Smith, J. W.**, & Davenport, M. A. (2019). Identifying patterns of climate-impacted recreation substitution behaviors in a nature-based tourism destination. Manuscript submitted to *Journal of Travel Research*.
7. Conlon, K., Leung, Y. –F., Kays, R., **Smith, J. W.**, & Tsai, W. –L. (2019). Assessing horseback riders' behavior as related to trail conditions: A camera trap approach. Manuscript submitted to *Journal of Outdoor Recreation and Tourism*.
8. Gayle, R.<sup>†</sup>, Baggio, J., Givens, J., & **Smith, J. W.\*** (2019). Climate and sociodemographic factors shape the creation of drought policies in U.S. cities. Manuscript submitted to *Nature Climate Change*. \*Corresponding author
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#### PEER REVIEWED ARTICLES (IN PREPARATION)

1. Smart, L. S.<sup>†</sup>, Tallie, P. J., Poulter, B., Mitasova, H., Swenson, J. J., **Smith, J. W.**, & Meentemeyer, R. K. (2019). Coastal biomass loss from sea-level rise quantified with repeat lidar. Manuscript being prepared for *ISPRS Journal of Photogrammetry and Remote Sensing*.
2. Smart, L. S.<sup>†</sup>, **Smith, J. W.**, & Meentemeyer, R. K. (in prep). Modeling the relative contributions of sea-level rise and land-use change to forest carbon decline. Manuscript being prepared for *TBD*.
3. Sanchez, G. M.<sup>†</sup>, **Smith, J. W.**, Sun, G., Cohen, E., & Meentemeyer, R. K. (in prep). Understanding the intersection between water demand and water supply stress through integrated models of environmental change. Manuscript being prepared for *Hydrology and Earth System Sciences*.
4. Guo, T.<sup>†</sup>, Moore, R. L., & **Smith, J. W.** (in prep). Using social-psychological theories to predict and influence outdoor recreation behaviors: A review of empirical studies. Manuscript submitted to *Leisure Sciences*.
5. Sanchez, G. M.<sup>†</sup>, **Smith, J. W.**, Terando, A., Garcia, A. M., Wagner, C., & Meentemeyer, R. K. (in prep). Forecasting water demand of a rapidly urbanizing megaregion. Manuscript being prepared for *Landscape and Urban Planning*.
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8. Smart, L. S.<sup>†</sup>, Seekamp, E., **Smith, J. W.**, & Meentemeyer, R. K. (in prep). Socio-spatial factors determining landowners' interest in adaptation programs. Manuscript being prepared for *Ecosystem Services*.
9. **Smith, J. W.**, McCreary, A.<sup>†</sup>, Seekamp, E., & Davenport, M. A. (in prep). Contingent trip taking behavior under climate-altered hydrologic conditions. Manuscript being prepared for *Ecological Modelling and Software*.
10. **Smith, J. W.**, Smart, L. S.<sup>†</sup>, Sanchez, G. M.<sup>†</sup>, Van Berkel, D., & Meentemeyer, R. K. (in prep). Methodological and analytical frontiers for linking human dimensions theory and methods to



landscape-scale agent-based models of dynamic landscape-scale processes. Manuscript being prepared for *Global Environmental Change*.

11. **Smith, J. W.** (in prep). Preferences for landscape heterogeneity and the production of ecosystem services. Manuscript being prepared for *Landscape Ecology*.
12. Wilkins, E. J., Wood, S., Burchfield, E., Howe, P., & **Smith, J. W.** (in prep). Using social media to estimate park visitation at various temporal scales. Manuscript being prepared for *Journal of Environmental Management*.
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15. Zhang, H., Van Berkel, D., Burchfield, E., Howe, P., Brunson, M., & **Smith, J. W.** (in prep). Identifying Utah's most visited tourism destinations using social media data. Manuscript in preparation for *Tourism Management*.
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#### **PEER REVIEWED BOOK CHAPTERS (PUBLISHED AND IN PRESS)**

1. Hand, M., **Smith, J. W.**, Peterson, D. L., Brunswick, N., & Brown, C. (2018). [Chapter 10: Effects of climate change on outdoor recreation](#). In J. E. Halofsky, D. L. Peterson, J. J. Ho, N. J. Little & L. A. Joyce (Eds.), *Climate change vulnerability and adaptation in the Intermountain Region*. (pp. 316-338). Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.

#### **OTHER PEER REVIEWED PUBLICATIONS**

1. **Smith, J. W.**, & Palacios, I. (2010). [Social capital and leisure behavior: Evidence from the United States](#). In H. J. Gibson & K. Andereck (Eds.), *Abstracts from the 2010 Leisure Research Symposium* (pp. 198-203). Ashburn, VA: National Recreation and Park Association.
2. **Smith, J. W.**, Anderson, D. H., Davenport, M. A., & Leahy, J. E. (2010). Perceived community benefits from recreation resources: From scale development to validation. In C. E. Watts & C. L. Fisher (Eds.), *Proceedings of the 2010 Northeastern Recreation Research Symposium*, Gen. Tech. Rep. NRS-P-94 (pp. 148-154). Newtown Square, PA: USDA Forest Service, Northern Research Station.
3. **Smith, J. W.**, & Moore, R. L. (2010). Place attachment and recreation demand on the West Branch of the Farmington River. In C. E. Watts & C. L. Fisher (Eds.), *Proceedings of the 2010 Northeastern Recreation Research Symposium*, Gen. Tech. Rep. NRS-P-94 (pp. 17-21). Newtown Square, PA: USDA Forest Service, Northern Research Station.
4. Jordan, D. J., **Smith, J. W.**, Cox, A., Thompson, T., Jeon, J., Palacios, I., Patterson, A., Peel, J., & Henderson, K. (2009). An exploration of the meanings of parks in Oklahoma. In B. D. Kivel & H.

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5. **Smith, J. W.** (2009). Toward a more complete understanding of sustainable rural community development: Appreciating systems and interactional theories. In E. Seitz, T. P. Wagner & L. Lindenfield (Eds.), *Environmental Communication as a Nexus: Proceedings of the 10<sup>th</sup> Biennial Conference on Communication and the Environment* (pp. 62-73). Portland, ME: University of Maine, Department of Communications & Journalism.
6. **Smith, J. W.**, Moore, R. L., & Burr, S. W. (2009). Experience use history and its relationship to management actions and satisfaction. In C. E. Watts & C. L. Fisher (Eds.), *Proceedings of the 2009 Northeastern Recreation Research Symposium*, Gen. Tech. Rep. NRS-P-66 (pp. 82-87). Newtown Square, PA: USDA Forest Service, Northern Research Station.
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#### TECHNICAL AND PROJECT REPORTS

1. Lamborn, C. C.<sup>†</sup>, & **Smith, J. W.** (2018). *Performance report: Fishlake National Forest FY2018 National Visitor Use Monitoring Program*. Logan, UT: Institute of Outdoor Recreation and Tourism, Department of Environment and Society, Utah State University.
2. Leung, Y. -F., Walden-Schreiner, C., Miller, A., & **Smith, J. W.** (2018). *Statistical report of state park operations: 2016-2017 – Annual Information Exchange for the Period of July 1, 2016 through June 30, 2017*. Raleigh, NC: Department of Parks, Recreation and Tourism Management, NC State University.
3. Lamborn, C. C.<sup>†</sup>, & **Smith, J. W.** (2018). *Performance report: Uinta-Wasatch-Cache National Forest FY2017 National Visitor Use Monitoring Program*. Logan, UT: Institute of Outdoor Recreation and Tourism, Department of Environment and Society, Utah State University.
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5. **Smith, J. W.** (2017). *USU Extension grant – final report: Hydrologic conditions and demand for river recreation in the North Fork of the Virgin River Wilderness Study Area*. Logan, UT: Institute of Outdoor Recreation and Tourism, Utah State University.
6. Matney, J. A., Slocumb, W. S., **Smith, J. W.**, Hipp, A. J., Smith, C. T., & Vatsavai, R. (2017). *Needs assessment and guidance to define a clear vision for a geospatial mapping system to service the needs and opportunities of the National Park Service Conservation and Outdoor Recreation Branch and Related Programs*. Raleigh, NC: Center for Geospatial Analytics, NC State University.
7. Leung, Y. -F., Miller, A., Walden-Schreiner, C., & **Smith, J. W.** (2017). *Statistical report of state park operations: 2015-2016 – Annual Information Exchange for the Period of July 1, 2015 through June 30, 2016*. Raleigh, NC: Department of Parks, Recreation and Tourism Management, NC State University.
8. Leung, Y. -F., **Smith, J. W.**, & Miller, A. (2016). *Statistical report of state park operations: 2014-2015 – Annual Information Exchange for the Period of July 1, 2014 through June 30, 2015*. Raleigh, NC: Department of Parks, Recreation and Tourism Management, NC State University.

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9. Leung, Y. –F., **Smith, J. W.**, & Miller, A. (2015). *Statistical report of state park operations: 2013-2014 – Annual Information Exchange for the Period July 1, 2013 through June 30, 2014*. Raleigh, NC: Department of Parks, Recreation and Tourism Management, NC State University.
10. **Smith, J. W.**, & Leung, Y. –F. (2015). *2015 outlook and analysis letter: A report prepared for the National Association of State Park Directors*. Raleigh, NC: Department of Parks, Recreation and Tourism Management, NC State University.
11. **Smith, J. W.**, Slocumb, W. S., & Smith, C. T. (2014). *Needs assessment and guidance to define a clear vision for a geospatial mapping system to service the needs and opportunities of the National Park Service Conservation and Outdoor Recreation Branch and related programs*. Raleigh, NC: Center for Geospatial Analytics, NC State University.
12. **Smith, J. W.**, & Leung, Y. –F. (2014). *2014 outlook and analysis letter: A report prepared for the National Association of State Park Directors*. Raleigh, NC: Department of Parks, Recreation and Tourism Management, NC State University.
13. Leung, Y. –F., **Smith, J. W.**, Miller, A., & Serenari, C. (2014). *Statistical report of state park operations: 2012-2013 – Annual Information Exchange for the Period July 1, 2012 through June 30, 2013*. Raleigh, NC: Department of Parks, Recreation and Tourism Management, NC State University.
14. **Smith, J. W.**, & Anderson, D. H. (2009). *Southeastern pilot test of rapid assessment protocol for assessing social capital in National Forest associated communities*. Raleigh, NC: Department of Parks, Recreation and Tourism Management, NC State University.
15. **Smith, J. W.** (2006). *Design recommendations guide for built elements within the Santa Clara River Reserve*. St. George, UT: US Department of Interior, Bureau of Land Management, St. George Field Office.

#### **PUBLICALLY-AVAILABLE PROJECT DATA**

1. Keane, R.<sup>†</sup>, & **Smith, J. W.** (2018). *Social media use and preferences of visitors to Crater Lake National Park: Data from a 2014 on-site survey*. Logan, UT: Institute of Outdoor Recreation and Tourism, Department of Environment and Society, Utah State University.

#### **THESIS**

**Smith, J. W.** (2008). *Off-highway vehicle owners' specialization and its relationship to environmental attitudes and motivations*. Logan, UT: Utah State University. Committee: Steven W. Burr (chair), Mark Brunson, F. E. "Fee" Busby, and Paul Jakus

#### **DISSERTATION**

**Smith, J. W.** (2011). *Adapting to changing environmental conditions: Mixed-methods analyses of how social capital and place-based social-psychological dependencies influence climate change resilience in Southern Appalachia*. Raleigh, NC: NC State University. Committee: Roger L. Moore (chair), Dorothy H. Anderson (co-chair), Christos Siderelis, Hugh Devine, and Edward Kick

#### **PRESENTATIONS:**

##### **COORDINATED SESSIONS AT NATIONAL AND INTERNATIONAL SYMPOSIA**

1. Wilkins, E. J., & **Smith, J. W.** (2018, June). *Social media and natural resource management*. Organized session for the International Symposium on Society and Resource Management, Snowbird, Utah.

2. Zhang, H., & **Smith, J. W.** (2018, June). *Modeling dynamic spatial and temporal patterns in outdoor recreation behavior*. Organized session for the International Symposium on Society and Resource Management, Snowbird, Utah.
3. **Smith, J. W.**, Brownlee, M., & Seekamp, E. (2016, June). *Outdoor recreation and climate change: Shifting supply and demand I & II*. Two organized sessions for the International Symposium on Society and Resource Management, Houghton, Michigan.
4. Verbos, R., Brownlee, M., & **Smith, J. W.** (2016, June). *Outdoor recreation and weather*. Organized session for the International Symposium on Society and Resource Management, Houghton, Michigan.

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5. **Smith, J. W.**, Slocumb, W. S., & Smith, C. T. (2014, June). *Benchmarking geospatial data management processes used by federal natural resource management agencies*. Organized session for the 2014 CESU Network Biennial National Meeting, Shepherdstown, West Virginia.

#### CONFERENCE PRESENTATIONS AT NATIONAL AND INTERNATIONAL SYMPOSIA

1. Van Berkel, D., Tieskens, K., **Smith, J. W.**, Neale, A., & Mehaffey, M. (2019, May). *Leveraging social media to map America's recreational areas*. Paper presented at the National Outdoor Recreation Conference, Rapid City, South Dakota.
2. Wilkins, E. J., **Smith, J. W.**, Wood, S., & Milnor, A. (2019, May). *Estimating park visitation using social media data*. Paper presented at the National Outdoor Recreation Conference, Rapid City, South Dakota.
3. Lamborn, C. C., & **Smith, J. W.** (2019, May). *Impacts of drought and the outbreak of proliferative kidney disease on recreational angling in the Yellowstone river watershed*. Paper presented at the National Outdoor Recreation Conference, Rapid City, South Dakota.
4. Sausser, B., **Smith, J. W.**, Sherwood, K., Milnor, A., & Ratcliffe, B. (2019, April). *Elevating outdoor recreation together: State offices and potential partnerships in outdoor recreation, conservation, and economic development*. Paper presented at the National Environment and Recreation Research Symposium, Annapolis, Maryland.
5. **Smith, J. W.**, & Zhang, H. (2018, October). *Monitoring visitation dynamics to national forests in the Intermountain West with social media data*. Paper presented at the Society of American Foresters' National Convention, Portland, Oregon.
6. Lamborn, C. C., & **Smith, J. W.** (2018, June). *Exploring the impacts of drought and the outbreak of proliferative kidney disease on recreational angling in the Yellowstone River Watershed*. Paper presented at the International Symposium on Society and Resource Management, Snowbird, Utah.
7. Sausser, B., **Smith, J. W.**, Sherwood, K., Milnor, A., & Ratcliffe, B. (2018, June). *Collaborative state and federal partnerships in outdoor recreation: A nationwide comparison of state outdoor recreation initiatives*. Paper presented at the International Symposium on Society and Resource Management, Snowbird, Utah.
8. Gayle, R., Baggio, J., & **Smith, J. W.** (2018, June). *Sociodemographic and climatic factors shaping the development of drought policies in major U.S. cities*. Paper presented at the International Symposium on Society and Resource Management, Snowbird, Utah.
9. Wilkins, E. J., & **Smith, J. W.** (2018, June). *Using Twitter to understand the travel behaviors of skiers and snowboarders in Utah's central Wasatch mountains*. Paper presented at the International Symposium on Society and Resource Management, Snowbird, Utah.

10. Zhang, H., & **Smith, J. W.** (2018, June). *The temporally-dynamic influences of weather and air quality on winter use of Utah's Big and Little Cottonwood Canyons*. Paper presented at the International Symposium on Society and Resource Management, Snowbird, Utah.
11. Sausser, B., **Smith, J. W.**, Ratcliffe, B., & Sherwood, K. (2018, April). *A comparison of state-level outdoor recreation initiatives*. Poster presented at the 2018 National Outdoor Recreation Conference, Burlington, Vermont.
12. Sanchez, G. M., **Smith, J. W.**, Terando, A., & Meentemeyer, R. K. (2018, April). *Forecasting urbanization and future water demands of a rapidly growing megaregion*. Paper presented at the US Regional Association of the International Association for Landscape Ecology, Chicago, Illinois.
13. Smart, L. S., Tallie, P. J., **Smith, J. W.**, & Meentemeyer, R. K. (2017, December). *Quantifying the spatio-temporal impacts of sea level rise on carbon storage using repeat LiDAR surveys and multispectral satellite imagery*. Paper presented at the American Geophysical Union Fall Meeting, New Orleans, Louisiana.
14. **Smith, J. W.**, & Lamborn, C. C. (2017, September). *Climate change and fishing in the Intermountain West*. Paper presented at the Pathways: Integrating Human Dimensions into Fisheries and Wildlife Management Conference, Estes Park, Colorado.
15. **Smith, J. W.**, & Gilbert, L. (2017, August). *Engagement with outdoor recreation and tourism social media: A self-evaluation of the Institute of Outdoor Recreation and Tourism at Utah State University*. Poster presented at the National Extension Tourism 2017 Conference, Princeton, New Jersey.
16. **Smith, J. W.** (2017, August). *Developing and evaluating a web-based climatological tool for tourism providers*. Paper presented at the National Extension Tourism 2017 Conference, Princeton, New Jersey.
17. McCreary, A., Fatorić, S., Seekamp, E., **Smith, J. W.**, Kanazawa, M., & Davenport, M. A. (2017, June). *Predicting visitors' willingness-to-pay for climate change adaptation planning in a nature-based tourism destination*. Paper presented at the International Symposium on Society and Resource Management, Umea, Sweden.
18. Leung, Y. -F., Miller, A., Walden-Schreiner, C., **Smith, J. W.**, & Ledford, L. (2017, June). *Long-term monitoring of state park operations in the U.S.* Poster presented at the International Symposium on Society and Resource Management, Umea, Sweden.
19. **Smith, J. W.** (2017, June). *The direct and indirect impacts of climate change on outdoor recreation: Empirical examples from the high deserts of the Intermountain West, USA*. Paper presented at the International Symposium on Society and Resource Management, Umea, Sweden.
20. Jones, G. J., Edwards, M. B., Bunds, K. S., Bocarro, J. N., & **Smith, J. W.** (2017, June). *Challenges to facilitating shared leadership in community sport organizations*. Paper presented at the 2017 North American Society for Sport Management Conference, Denver, Colorado.
21. **Smith, J. W.**, & Gilbert, L. (2017, May). *Social media for communicating outdoor recreation research*. Poster presented at the 2017 National Outdoor Recreation Conference, Scottsdale, Arizona.
22. **Smith, J. W.**, & Nofield, S. (2017, May). *Measuring benefits from community-led conservation projects*. Paper presented at the 2017 National Outdoor Recreation Conference, Scottsdale, Arizona.
23. Dorning, M. A., Koch, J., Beck, S., Sanchez, G. M., Shashidharan, A., Smart, L. S., **Smith, J. W.**, Van Berkel, D., Zhang, Q., & Meentemeyer, R. K. (2017, April). *A combined ABM-CA approach for analyzing effects of peer-influence and landowner decision-making processes on urbanization*

- patterns*. Paper presented at the US Regional Association of the International Association for Landscape Ecology, Baltimore, Maryland.
24. Sanchez, G. M., **Smith, J. W.**, Terando, A., Sun, G., & Meentemeyer, R. K. (2017, April). *Development-induced water demand: Effects of urban form and socio-ecological drivers*. Paper presented at the US Regional Association of the International Association for Landscape Ecology, Baltimore, Maryland.
  25. Smart, L. S., Tallie, P. J., Mitasova, H., Swenson, J. J., Poulter, B., **Smith, J. W.**, & Meentemeyer, R. K. (2017, April). *Detecting coastal vegetation response to sea level rise from multi-temporal LiDAR and optical data integration*. Paper presented at the US Regional Association of the International Association for Landscape Ecology, Baltimore, Maryland.
  26. **Smith, J. W.** (2017, April). *The influence of observed hydrologic and meteorological conditions on the temporal dynamics of visitation to the North Fork of the Virgin River, Utah, USA*. Paper presented at the Association of American Geographers' Annual Meeting, Boston, Massachusetts.
  27. Guo, T., Leahy, J. E., & **Smith, J. W.** (2017, April). *Using social network analysis to inform management: A review of research and an illustrative example*. Poster presented at the George Wright Society Conference on Parks, Protected Areas, and Cultural Sites, Norfolk, Virginia.
  28. Guo, T., **Smith, J. W.**, Moore, R. L., & Schultz, C. L. (2017, April). *Does the timing of educational messaging influence compliance with low-impact hiking recommendations?* Paper presented at the George Wright Society Conference on Parks, Protected Areas, and Cultural Sites, Norfolk, Virginia.
  29. McCreary, A., Seekamp, E., **Smith, J. W.**, & Davenport, M. A. (2017, April). *Using social media data to identify valued recreation resources and inform climate change adaptation planning*. Paper presented at the George Wright Society Conference on Parks, Protected Areas, and Cultural Sites, Norfolk, Virginia.
  30. **Smith, J. W.**, & Leung, Y. -F. (2016, November). *Temporal trends in the operating inefficiencies of U.S. state park systems*. Poster presented at the Society of American Foresters' National Convention, Madison, Wisconsin.
  31. Dupéy, L. N., & **Smith, J. W.** (2016, November). *Perceptions of fire risk across North America: A review*. Poster presented at the Society of American Foresters' National Convention, Madison, Wisconsin.
  32. Koch, J. A., Dorning, M. A., Beck, S., Sanchez, G. M., Shashidharan, A., Smart, L. S., **Smith, J. W.**, Van Berkel, D., Zhang, Q., & Meentemeyer, R. K. (2016, October). *Land use and urbanization*. Paper presented at the 3<sup>rd</sup> Global Land Project Open Science Meeting, Beijing, China.
  33. Baran, P. K., Tabrizian, P., Zhai, Y., Floyd, M. F., & **Smith, J. W.** (2016, October). *Use of IVE in mapping perceived safety in a park*. Poster presented at the National Recreation and Park Association Annual Conference, St. Louis, Missouri.
  34. Koch, J. A., Dorning, M. A., Beck, S., Sanchez, G. M., Shashidharan, A., Smart, L. S., **Smith, J. W.**, Van Berkel, D., Zhang, Q., & Meentemeyer, R. K. (2016, July). *The importance of human decision making in agent-based models of natural resource use*. Paper presented at the International Congress on Environmental Modelling and Software, Toulouse, France.
  35. Li, J., Barbieri, C., & **Smith, J. W.** (2016, June). *Social network analysis: An application to agritourism associations*. Paper presented at the Travel and Tourism Research Association's 47<sup>th</sup> Annual International Conference, Vail, Colorado.
  36. Fatorić, S., Seekamp, E., & **Smith, J. W.** (2016, June). *Moving toward optimal climate change adaptation? Structured decision making approach for coastal cultural resource preservation*. Paper

- presented at the International Symposium on Society and Resource Management, Houghton, Michigan.
37. Henderson, M., Seekamp, E., & **Smith, J. W.** (2016, June). *History under high tides: Community members' perceptions of threatened cultural resources at Cape Lookout National Seashore*. Paper presented at the International Symposium on Society and Resource Management, Houghton, Michigan.
  38. McCreary, A., **Smith, J. W.**, Seekamp, E., & Davenport, M. A. (2016, June). *Parameterizing agent based models of contingent trip-taking behavior with on-site survey data*. Paper presented at the International Symposium on Society and Resource Management, Houghton, Michigan.
  39. Seekamp, E., **Smith, J. W.**, & Davenport, M. A. (2016, June). *The influence of daily weather conditions on recreationists' responses to contingent trip-taking behavior questions*. Paper presented at the International Symposium on Society and Resource Management, Houghton, Michigan.
  40. Bitsura-Meszaros, K., **Smith, J. W.**, Seekamp, E., & Davenport, M. A. (2016, June). *Integrating stakeholders from nature-based recreation-dependent communities into a climate change risk assessment through participatory GIS*. Paper presented at the International Symposium on Society and Resource Management, Houghton, Michigan.
  41. Guo, T., **Smith, J. W.**, & Moore, R. L. (2016, June). *A comparison of SAS, STATA and R in fitting general linear mixed models with implications for contingent behavior experiments in outdoor recreation research*. Poster presented at the International Symposium on Society and Resource Management, Houghton, Michigan.
  42. Guo, T., **Smith, J. W.**, & Moore, R. L. (2016, June). *Values and responsible hiking behaviors among Appalachian Trail long distance hikers*. Paper presented at the International Symposium on Society and Resource Management, Houghton, Michigan.
  43. Dupéy, L. N., **Smith, J. W.**, Dorning, M. A., Shoemaker, D., Méley, A., & Meentemeyer, R. K. (2016, June). *Payments for carbon storage to alleviate development pressure in a rapidly urbanizing region*. Paper presented at the International Symposium on Society and Resource Management, Houghton, Michigan.
  44. **Smith, J. W.**, Wilson, B., & Seekamp, E. (2016, June). *Data and models to investigate coupled outdoor recreation and ecohydrologic systems*. Paper presented at the International Symposium on Society and Resource Management, Houghton, Michigan.
  45. Koch, J. A., Dorning, M. A., Beck, S., Sanchez, G. M., Shashidharan, A., Smart, L. S., **Smith, J. W.**, Van Berkel, D., Zhang, Q., & Meentemeyer, R. K. (2016, May). *A combined ABM-CA approach for analyzing effects of peer-influence and landowner decision-making processes on patterns of urban development*. Paper presented at the International Society for Ecological Modelling Global Conference 2016, Baltimore, Maryland.
  46. **Smith, J. W.** (2016, April). *Using immersive virtual environments to quantify stakeholder perceptions of, and behavioral responses to, landscape change*. Paper presented at the US Regional Association of the International Association for Landscape Ecology, Asheville, North Carolina.
  47. Smart, L. S., Dorning, M. A., **Smith, J. W.**, Pickard, B., Dupéy, L. N., Méley, A., & Meentemeyer, R. K. (2016, April). *A Bayesian approach to inform urban growth models with choice experiment data on tradeoffs facing landowners in rapidly urbanizing regions*. Paper presented at the US Regional Association of the International Association for Landscape Ecology, Asheville, North Carolina.

48. Smart, L. S., **Smith, J. W.**, & Meentemeyer, R. K. (2016, March). *Social network effects on land-use patterns in agent-based models of dynamic land change processes*. Paper presented at the Association of American Geographers' Annual Meeting, San Francisco, California.
49. **Smith, J. W.**, Smart, L. S., & McCreary, A. (2016, March). *Hydrating the agents: Integrating the spatial and temporal availability of freshwater resources into agent based models*. Paper presented at the Association of American Geographers' Annual Meeting, San Francisco, California.
50. Sanchez, G. M., Meentemeyer, R. K., **Smith, J. W.**, & Terando, A. (2016, February). *The future of urban growth and water demand across the United States' Southeastern Atlantic Coast*. Paper presented at the Challenges for Natural Resource Economics and Policy Conference (the 5<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems), New Orleans, Louisiana.
51. McCreary, A., Seekamp, E., **Smith, J. W.**, & Davenport, M. A. (2016, February). *Social values & social media: Understanding place meanings in coastal regions through the Instagram lens*. Paper presented at the Social Coast Forum 2016, Charleston, South Carolina.
52. Henderson, M. H., Seekamp, E., & **Smith, J. W.** (2016, February). *Visitor perceptions of cultural resource vulnerability at Cape Lookout National Seashore*. Paper presented at the Social Coast Forum 2016, Charleston, South Carolina.
53. Smart, L. S., & **Smith, J. W.** (2016, February). *An agent-based model for examining the effects of social network structure on coastal land-use patterns*. Paper presented at the Social Coast Forum 2016, Charleston, South Carolina.
54. Fatoric, S., Seekamp, E., **Smith, J. W.**, & Cakir, J. (2016, February). *Application of structured decision making to climate adaptation planning of coastal cultural resources: The case of barrier island Cape Lookout National Seashore*. Paper presented at the Social Coast Forum 2016, Charleston, South Carolina.
55. Baran, P. K., Tabrizian, P., Zhai, Y., **Smith, J. W.**, & Floyd, M. F. (2016, February). *Mapping spatial enclosure and perceived safety in a neighborhood park: An application of immersive virtual environment technology*. Paper presented at the Active Living Research Conference, Hilton Clearwater Beach, Florida.

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56. Belica, L., Caldwell, P. V., Mitasova, H., McCarter, J. B., **Smith, J. W.**, & Nelson, S. A. C. (2015, December). *Investigation of the relative effects of insolation, groundwater, and spatial variability in temperature dynamics of two headwater streams*. Poster presented at the American Geophysical Union Fall Meeting, San Francisco, California.
57. McCreary, A., **Smith, J. W.**, Seekamp, E., Davenport, M. A., & Kanazawa, M. (2015, November). *Climate models, place meanings, and risk perceptions: Understanding the influences on nature-based tourism in coastal communities*. Paper presented at the International Congress on Coastal and Marine Tourism, Kailua-Kona, Hawai'i.
58. Bitsura-Meszaros, K., **Smith, J. W.**, & McCreary, A. (2015, November). *Analyzing the effect of political ideology on individuals' perceptions of climate-related risks to coastal recreation using ocular tracking technology*. Paper presented at the International Congress on Coastal and Marine Tourism, Kailua-Kona, Hawai'i.
59. **Smith, J. W.**, Smart, L. S., Sanchez, G. M., & Meentemeyer, R. K. (2015, June). *Methodological and analytical frontiers for agent-based models of spatially dynamic landscape-scale processes*. Poster presented at the International Association of Landscape Ecology Congress, Portland, Oregon.



60. Smart, L. S., & **Smith, J. W.** (2015, June). *An agent-based model for examining the effects of governance structure on spatially-explicit land- and water-use patterns*. Paper presented at the International Association of Landscape Ecology Congress, Portland, Oregon.
61. Keane, R., & **Smith, J. W.** (2015, June). *Social media and the National Park Service: Visitor usage, preferences, and trusted information sources*. Paper presented at the International Symposium on Society and Resource Management, Charleston, South Carolina.
62. McCreary, A., Seekamp, E., **Smith, J. W.**, Davenport, M. A., & Kanazawa, M. (2015, June). *Uncertain futures for coastal communities: Using climate change models to anticipate shifts in tourism demand*. Paper presented at the International Symposium on Society and Resource Management, Charleston, South Carolina.
63. Katz, K., Duever, B., Davenport, M. A., Seekamp, E., & **Smith, J. W.** (2015, June). *Climate resilience in tourism-dependent communities on Lake Superior's North Shore*. Poster presented at the International Symposium on Society and Resource Management, Charleston, South Carolina.
64. KC, B., Morais, D. B., **Smith, J. W.**, Peterson, M. N., & Seekamp, E. (2015, June). *How social networks shape wildlife tourism micro-entrepreneurs' success: An example from North Carolina's Pamlico Sound*. Paper presented at the International Symposium on Society and Resource Management, Charleston, South Carolina.
65. Smart, L. S., **Smith, J. W.**, & Meentemeyer, R. K. (2015, June). *An agent-based modeling framework for water resource governance: A tool to assess resilience and adaptive capacity in the coastal plain of North Carolina*. Paper presented at the International Symposium on Society and Resource Management, Charleston, South Carolina.
66. Matney, J., **Smith, J. W.**, Slocumb, W. S., & Smith, C. T. (2015, June). *A needs assessment protocol for designing, developing and deploying unified geospatial data management systems within federal agencies*. Paper presented at the International Symposium on Society and Resource Management, Charleston, South Carolina.
67. Bitsura-Mezzaros, K., **Smith, J. W.**, & Leung, Y. –F. (2015, June). *Projected impacts to the production of outdoor recreation opportunities across US state park systems due to the adoption of a domestic climate change mitigation policy*. Paper presented at the International Symposium on Society and Resource Management, Charleston, South Carolina.
68. **Smith, J. W.**, Meentemeyer, R. K., Sanchez, G. M., & Smart, L. S. (2015, April). *Methodological and analytical frontiers for agent-based models of spatially dynamic landscape-scale processes*. Paper presented at the Association of American Geographers' Annual Meeting, Chicago, Illinois.
69. Bitsura-Mezzaros, K., **Smith, J. W.**, Davenport, M. A., & Seekamp, E. (2015, April). *Assessing the climate readiness of Minnesota's nature-based tourism-dependent North Shore region through a spatial analysis of local resource management plans*. Paper presented at the Association of American Geographers' Annual Meeting, Chicago, Illinois.
70. Keane, R., & **Smith, J. W.** (2015, March). *Internet presence and social media perceptions and usage by visitors to Crater Lake National Park*. Paper presented at the George Wright Society Conference on Parks, Protected Areas, and Cultural Sites, Oakland, California.
71. **Smith, J. W.**, & Leung, Y. –F. (2015, March). *Projected impacts of climate change mitigation on recreation opportunities across US state park systems*. Paper presented at the George Wright Society Conference on Parks, Protected Areas, and Cultural Sites, Oakland, California.
72. Bitsura-Mezzaros, K., **Smith, J. W.**, Davenport, M. A., Seekamp, E., & Anderson, D. H. (2015, January). *Building climate readiness in nature-based tourism-dependent communities along the North Shore of Lake Superior: Project overview and development of an adaptation plan*

- evaluation matrix*. Paper presented at the 95<sup>th</sup> American Meteorological Society Annual Meeting, Phoenix, Arizona.
73. Leung, Y. -F., & **Smith, J. W.** (2014, November). *The value of the visitor monitoring systems at parks and protected areas*. Panel discussant at the IUCN World Parks Congress, Sydney, Australia.
  74. **Smith, J. W.** (2014, October). *The use of immersive virtual environments for forest social science and science communication*. Paper presented at the Society of American Foresters' National Convention and the Canadian Institute of Forestry/Institut forestier du Canada Convention, Salt Lake City, Utah.
  75. Mao, Y., Morais, D. B., Brothers, G., **Smith, J. W.**, & McHale, M. (2014, June). *Exploring spatial heterogeneity of amenities, tourism and poverty in North Carolina*. Visual presentation at the Travel and Tourism Research Association's 45<sup>th</sup> Annual International Conference, Brugge, Belgium.
  76. **Smith, J. W.** (2014, June). *Effects of ecosystem service provision on agritourism destination preferences*. Paper presented at the International Symposium on Society and Resource Management, Hannover, Germany.
  77. **Smith, J. W.**, Shukunobe, M., & Zamani, Z. (2014, May). *Acquisition and manipulation of 360° panoramas for display in immersive virtual environments with applications for natural resource social science*. Poster presented at Environmental Design Research Association 45, New Orleans, Louisiana.
  78. Baran, P. K., Zhai, Y., **Smith, J. W.**, & Floyd, M. F. (2014, May). *Perceived enclosure and spaciousness of park pathways and preference for walking*. Poster presented at Environmental Design Research Association 45, New Orleans, Louisiana.
  79. Bitsura-Mezzaros, K., & **Smith, J. W.** (2014, April). *Perceived resilience to climate change and political ideology: Evidence from three case studies and a nationwide online marketplace-based survey*. Paper presented at the Association of American Geographers' Annual Meeting, Tampa, Florida.
  80. **Smith, J. W.** (2014, February). *Geovisualization technologies for coastal climate science*. Tool demo and job aid roundtable presentation at the Social Coast Forum 2014, Charleston, South Carolina.
  81. **Smith, J. W.** (2014, February). *The relationship between information presentation and perceived severity of climate change driven coastal morphological change*. Paper presented at the Social Coast Forum 2014, Charleston, South Carolina.
  82. Seekamp, E., Davenport, M. A., & **Smith, J. W.** (2014, February). *An integrated, interdisciplinary and multi-method process for building climate readiness in coastal communities*. Paper presented at the Social Coast Forum 2014, Charleston, South Carolina.
  83. **Smith, J. W.**, Prokopy, L. S., Perry-Hill, R., & Mullendore, N. (2013, July). *The effects of affiliation-based influence and shared information sources on rare and little known species conservation behaviors*. Poster presented at the 26<sup>th</sup> International Congress for Conservation Biology, Baltimore, Maryland.
  84. **Smith, J. W.** (2013, June). *A geovisualization-based scenario planning framework for climate change adaptation in small, forest dependent communities*. Poster presented at the International Symposium on Society and Resource Management, Estes Park, Colorado.
  85. **Smith, J. W.** (2013, June). *Information networks in amenity-transition communities: A comparative case study of three forest-dependent communities in Southern Appalachia*. Paper

- presented at the International Symposium on Society and Resource Management, Estes Park, Colorado.
86. **Smith, J. W.**, & Seekamp, E. (2013, March). *A geovisualization-based scenario planning framework for climate change adaptation in small, natural resource dependent, coastal communities*. Poster presented at the Challenges for Natural Resource Economics and Policy Conference (the 4<sup>th</sup> National Forum on Socioeconomic Research in Coastal Systems), New Orleans, Louisiana.
  87. **Smith, J. W.**, Anderson, D. H., & Moore, R. L. (2012, July). *Social capital, place meanings and perceived resilience to climate change*. Paper presented at the 75<sup>th</sup> Annual Meeting of the Rural Sociological Society, Chicago, Illinois.
  88. Fish, T. E., Moisey, R. N., Jordan, S. A., Gates, B. J., & **Smith, J. W.** (2012, June). *Learning from the past, looking to the future: CESU Network national program evaluation*. Paper presented at the International Symposium on Society and Resource Management, Edmonton, Alberta, Canada.
  89. **Smith, J. W.**, & Smith, H. M. (2012, February). *Community resilience in Southern Appalachia: A theoretical framework and three case studies*. Paper presented at the Association of American Geographers' Annual Meeting, New York, New York.
  90. **Smith, J. W.**, Leahy, J. E., Anderson, D. H., & Davenport, M. A. (2011, June). *Recreancy and resource management: A mixed-methods analysis of trust and civic action*. Paper presented at the International Symposium on Society and Resource Management, Madison, Wisconsin.
  91. **Smith, J. W.** (2011, April). *Growth in the American South: Rethinking the urban/rural divide and the causal mechanisms of economic development*. Paper presented at the Association of American Geographers' Annual Meeting, Seattle, Washington.
  92. Moore, R. L., & **Smith, J. W.** (2010, October). *Military training on the Appalachian Trail: Participant attitudes and perceptions*. Paper presented at the Society of American Foresters' National Convention, Albuquerque, New Mexico.
  93. **Smith, J. W.**, & Palacios, I. (2010, October). *Social capital and leisure behavior: Evidence from the United States*. Paper presented at the Leisure Research Symposium, Minneapolis, Minnesota.
  94. **Smith, J. W.**, & Moore, R. L. (2010, September). *Demand for fly-fishing on the Green River: Incorporating place attachment and site perceptions into a travel-cost analysis*. Paper presented at the Pathways to Success: Integrating Human Dimensions into Fisheries and Wildlife Management Conference, Estes Park, Colorado.
  95. **Smith, J. W.** (2010, August). *Growth in the American South: Rethinking the urban/rural divide and the causal mechanisms of economic development*. Paper presented at the Annual Meeting of the American Sociological Association and the 73<sup>rd</sup> Annual Meeting of the Rural Sociological Society, Atlanta, Georgia.
  96. **Smith, J. W.**, Siderelis, C., & Moore, R. L. (2010, June). *Social-psychological factors influencing recreation demand: Evidence from two recreational rivers*. Paper presented at the International Symposium on Society and Resource Management, Corpus Christi, Texas.
  97. **Smith, J. W.** (2010, June). *The green in the growth machine: Laissez-faire racism, central place theory, and access to open space*. Poster presented at the International Symposium on Society and Resource Management, Corpus Christi, Texas.
  98. **Smith, J. W.**, Anderson, D. H., & Moore, R. L. (2010, May). *The role of social capital in coastal communities' resilience to climate change*. Paper presented at the Challenges for Natural Resource Economics and Policy Conference (the 3<sup>rd</sup> National Forum on Socioeconomic Research in Coastal Systems), New Orleans, Louisiana.

99. Jordan, D. J., **Smith, J. W.**, Cox, A., Thompson, T., Jeon, J., Palacios, I., Patterson, A., Peel, J., & Henderson, K. (2009, October). *An exploration of the meanings of parks in Oklahoma*. Paper presented at the Leisure Research Symposium, Salt Lake City, Utah.
100. **Smith, J. W.**, Siderelis, C., Moore, R. L., & Fletcher, F. (2009, July). *The effects of place attachment, hypothetical site modifications, and use levels on recreation behavior*. Paper presented at the International Symposium on Society and Resource Management, Vienna, Austria.
101. **Smith, J. W.** (2009, June). *Toward a more complete understanding of sustainable rural community development: Appreciating systems and interactional theories*. Paper presented at the Conference on Communication and the Environment, Portland, Maine.
102. **Smith, J. W.** (2008, October). *Off-highway vehicle owners' specialization and its relationship to environmental attitudes*. Paper presented at the Leisure Research Symposium, Baltimore, Maryland.
103. **Smith, J. W.** (2008, June). *Environmental attitudes, off-highway vehicle use, and social misconceptions*. Paper presented at the International Symposium on Society and Resource Management, Burlington, Vermont.
104. **Smith, J. W.** (2008, May). *Off-highway vehicle owners' specialization and its relationship to environmental attitudes*. Paper presented at the Graduate Student Leisure Research Symposium, Waterloo, Ontario, Canada.

#### CONFERENCE PRESENTATIONS AT STATE AND REGIONAL SYMPOSIA

1. **Smith, J. W.** (2019, February). *Recreational use of the Sheeprock mountains in western Utah*. Paper presented at the Utah All Lands-All Hands Summit, Salt Lake City, Utah.
2. **Smith, J. W.** (2019, February). *Utah lands management evaluation and assessment network*. Paper presented at the Utah All Lands-All Hands Summit, Salt Lake City, Utah.
3. Chelak, M., Muhlestein, B., **Smith, J. W.**, & Messmer, T. (2018, October). *Greater Sage-grouse (*Centrocercus urophasianus*) habitat selection in response to off-highway vehicle recreation in the Sheeprock Mountains, Utah, USA*. Poster presented at the Restoring the West Conference, Logan, Utah.
4. Lamborn, C. C., & **Smith, J. W.** (2018, March). *Exploring the impacts of drought and the outbreak of proliferative kidney disease on recreational angling in the Yellowstone River watershed*. Poster presented at the 2018 Spring Runoff Conference, Logan, Utah.
5. McCreary, A., Seekamp, E., Larson, L., **Smith, J. W.**, & Davenport, M. A. (2018, March). *A tale of two seasons and other predictors of climate-related coping behaviors by outdoor recreationists*. Paper presented at the Southeastern Recreation Research Symposium, Asheville, North Carolina.
6. Sanchez, G. M., **Smith, J. W.**, Terando, A., Sun, G., & Meentemeyer, R. K. (2018, March). *Forecasting urbanization and future water demands of a rapidly growing megaregion*. Poster presented at the 13<sup>th</sup> Annual NC State University Graduate Student Research Symposium, Raleigh, North Carolina.
7. Sanchez, G. M., **Smith, J. W.**, Terando, A., Sun, G., & Meentemeyer, R. K. (2018, February). *Development-induced water demand: Effects of urban form and socio-ecological drivers*. Paper presented at the 6<sup>th</sup> University of Florida Water Institute Symposium, Gainesville, Florida.
8. Henderson, M., Seekamp, E., & **Smith, J. W.** (2017, March). *Voices from the edge: Place connections and perceptions of vulnerable cultural resources at Cape Lookout National Seashore*. Paper presented at the Southeastern Recreation Research Symposium, Asheville, North Carolina.

9. Dupéy, L. N., & **Smith, J. W.** (2016, October). *Perceptions of fire risk across the western United States: A review*. Poster presented at the Restoring the West Conference, Logan, Utah.
10. Keane, R., & **Smith, J. W.** (2016, March). *Social media best practices for outdoor recreation managers: Evidence from a case study at Crater Lake National Park*. Paper presented at the Southeastern Recreation Research Symposium, Asheville, North Carolina.

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11. Wilson, B., Holmberg, K., Nieber, J., Davenport, M. A., **Smith, J. W.**, Seekamp, E., McCreary, A., & Kanazawa, M. (2015, October). *Climate change in Minnesota's North Shore*. Poster presented at the University of Minnesota's Department of Bioproducts and Biosystems Engineering Annual Fall Showcase, St. Paul, Minnesota.
12. Matney, J., Slocumb, W. S., **Smith, J. W.**, & Smith, C. T. (2015, September). *A geospatial database and web-based mapping application for programs within the National Park Services' Conservation and Outdoor Recreation branch*. Paper presented at the Piedmont-South Atlantic Coast Cooperative Ecosystem Studies Units Annual Meeting, Athens, Georgia.
13. Sanchez, G. M., Smart, L. S., **Smith, J. W.**, Van Berkel, D., & Meentemeyer, R. K. (2015, April). *Frontiers for linking human dimensions theory and methods to land system agent-based models*. Poster presented at the NC State University Global Change Symposium, Raleigh, North Carolina.
14. Keane, R., & **Smith, J. W.** (2015, March). *Online information sources and social media usage by visitors to Crater Lake National Park*. Poster presented at the 10<sup>th</sup> Annual NC State University Graduate Student Research Symposium, Raleigh, North Carolina.
15. Morais, D. B., **Smith, J. W.**, Barbieri, C., & Nazariadli, S. (2015, March). *Does authenticity matter? Comparing potential tourists' assessment of highly authentic and highly appealing agricultural landscape features*. Poster presented at the Southeastern Recreation Research Symposium, Asheville, North Carolina.
16. Bitsura-Meszaros, K., **Smith, J. W.**, McCreary, A., Burroughs, K., & Keane, R. (2015, March). *The effect of political ideology on individuals' perceptions of climate-related risks to coastal recreation resources: Results from an eye tracking experiment*. Paper presented at the Southeastern Recreation Research Symposium, Asheville, North Carolina.
17. KC, B., Morais, D. B., **Smith, J. W.**, Seekamp, E., & Peterson, M. N. (2015, March). *Examining social networking and social capital among wildlife tourism micro-entrepreneurs from North Carolina's Pamlico Sound region*. Paper presented at the Southeastern Recreation Research Symposium, Asheville, North Carolina.
18. McCreary, A., Keane, R., Guo, T., Seekamp, E., **Smith, J. W.**, & Moore, R. L. (2015, March). *Challenges, limitations and opportunities in survey design*. Poster presented at the Southeastern Recreation Research Symposium, Asheville, North Carolina.
19. McCreary, A., Seekamp, E., **Smith, J. W.**, Kanazawa, M., & Davenport, M. A. (2015, March). *Projecting visitor responses to climate change: Winter recreation and tourism on Minnesota's North Shore*. Paper presented at the Southeastern Recreation Research Symposium, Asheville, North Carolina.
20. Tsai, W. -L., Shedd, J., Smith, C. T., Miller, A., Walden-Schreiner, C., Leung, Y. -L., & **Smith, J. W.** (2014, October). *ArcGIS Online and Collector for ArcGIS mobile app*. Paper presented at the North Carolina Coastal Reserve and National Estuarine Research Reserve's Using Technology in the Field for Natural Resources Protection Workshop, Wilmington, North Carolina.

21. Mao, Y., Morais, D. B., Brothers, G., **Smith, J. W.**, & McHale, M. (2014, March). *Spatial analysis of nature-based tourism and poverty in North Carolina*. Paper presented at the Southeastern Recreation Research Symposium, Asheville, North Carolina.
22. Conlon, K., Mayer, J., Adams, B., Walden-Schreiner, C., Crouse, E., Guo, T., Leung, Y. –F., **Smith, J. W.**, & Seekamp, E. (2014, March). *Comparing perceptions of trail impacts using 2-D and 3-D imagery*. Paper presented at the Southeastern Recreation Research Symposium, Asheville, North Carolina.
23. Mayer, J. E., Seekamp, E. L., **Smith, J. W.**, Casper, J. M., & Blank, G. B. (2014, March). *Predicting aquatic invasive species prevention: An examination of organisms-in-trade hobbyists' behaviors in the Great Lakes Region*. Poster presented at the 9<sup>th</sup> Annual NC State University Graduate Student Research Symposium, Raleigh, North Carolina.
24. **Smith, J. W.**, Shukunobe, M., & Zamani, Z. (2013, September). *Acquisition and manipulation of 360° panoramas for display in immersive virtual environments with applications for natural resource social science*. Poster presented at the NC State – College of Natural Resources Open House, Raleigh, North Carolina.
25. **Smith, J. W.**, & Siderelis, C. (2012, August). *Adaptive participation in forest planning contingent upon hypothetical climate change impacts: A field-based stated choice experiment*. Paper presented at Camp Resources XIX, Wrightsville Beach, North Carolina.
26. Fish, T. E., Moisey, R. N., Jordan, S. A., Gates, B. J., & **Smith, J. W.** (2012, April) *Developing a typology for federal collaborative conservation projects: CESU Network program evaluation results, 1999-2011*. Paper presented at the Northeastern Recreation Research Symposium, Cooperstown, New York.
27. **Smith, J. W.**, Moore, R. L., & Anderson, D. H. (2012, February). *Social capital, place meanings and perceived resilience to climate change*. Paper presented at the Annual Meeting of the Eastern Sociological Society, New York, New York.
28. Smith, H. M., **Smith, J. W.**, Leahy, J. E., & Lindenfeld, L. (2011, April). *Merging knowledge to action theory with woody bioenergy research development processes*. Paper presented at the Woody Biomass Energy Research Symposium for the Northern Forest, Burlington, Vermont.
29. **Smith, J. W.**, Leahy, J. E., Anderson, D. H., & Davenport, M. A. (2011, April). *Recreancy and resource management: A mixed-methods analysis of trust and civic action*. Paper presented at North Carolina State University's 2<sup>nd</sup> annual Communication, Rhetoric, and Digital Media Research Symposium, Raleigh, North Carolina.
30. **Smith, J. W.**, Anderson, D. H., Davenport, M. A., Leahy, J. E. (2010, April). *Perceived community benefits from recreation resources: From scale development to validation*. Paper presented at the Northeastern Recreation Research Symposium, Bolton Landing, New York.
31. **Smith, J. W.**, & Moore, R. L. (2010, April). *Place attachment and recreation demand on the West Branch of the Farmington River*. Paper presented at the Northeastern Recreation Research Symposium, Bolton Landing, New York.
32. **Smith, J. W.** (2010, March). *The green in the growth machine: Laissez-faire racism, central place theory, and access to open space*. Poster presented at the 5<sup>th</sup> Annual NC State University Graduate Student Research Symposium, Raleigh, North Carolina.
33. **Smith, J. W.**, Moore, R. L., & Siderelis, C. (2010, February). *The effects of motivations, river conditions, and hypothetical permitting procedures on recreation behavior*. Paper presented at the Southeastern Recreation Research Symposium, Greenville, South Carolina.

34. **Smith, J. W.**, & Anderson, D. H. (2010, February). *Social capital in National Forest associated communities: A case study of Louisville, Mississippi*. Paper presented at the Southeastern Recreation Research Symposium, Greenville, South Carolina.
35. **Smith, J. W.**, Moore, R. L., & Burr, S. W. (2009, March). *Experience use history and its relationship to management actions and satisfaction*. Paper presented at the Northeastern Recreation Research Symposium, Bolton Landing, New York.
36. **Smith, J. W.** (2009, March). *The effects of green spaces on property values, the tax base, and tax revenues in Raleigh, North Carolina*. Poster accepted for presentation at the NC State University Graduate Student Symposium, Raleigh, North Carolina.
37. **Smith, J. W.** (2009, February). *The effects of green spaces on property values, the tax base, and tax revenues in Raleigh, North Carolina*. Paper presented at the Southeastern Recreation Research Symposium, Athens, Georgia.
38. Burr, S. W., **Smith, J. W.**, Reiter, D. K., Jakus, P., & Keith, J. (2008, May). *Recreational off-highway vehicle use on public lands within Utah*. Paper presented at the Utah Tourism Conference's Tourism Research Workshop, Salt Lake City, Utah.
39. Burr, S. W., **Smith, J. W.**, Reiter, D. K., Jakus, P., & Keith, J. (2008, April). *Recreational off-highway vehicle use on public lands within Utah*. Paper presented at the Utah Association of Counties' Annual Meeting, Salt Lake City, Utah.
40. **Smith, J. W.** (2008, April). *Environmental attitudes, off-highway vehicle use, and social misconceptions*. Paper presented at the Intermountain Graduate Student Research Symposium, Logan, Utah.

#### INVITED PRESENTATIONS

1. Sanchez, G. M., **Smith, J. W.**, Terando, A., Garcia, A., Wagner, C., & Meentemeyer, R. K. (April, 2018). Forecasting urbanization and future water demands of a rapidly growing megaregion. Paper presented for the Department of Forestry and Environmental Resources (NC State University) seminar series, Raleigh, North Carolina.
2. Lamborn, C. C., & **Smith, J. W.** (2018, March). *Exploring drought-induced trends in the Intermountain West's freshwater fisheries*. Paper presented for the Utah Division of Wildlife Resources' brown bag luncheon series, Salt Lake City, Utah.
3. **Smith, J. W.**, Wilkins, E. J., & Zhang, H. (2018, February). *Shifting trends in outdoor recreation activity across Utah*. Paper presented for the Utah Division of Wildlife Resources' brown bag luncheon series, Salt Lake City, Utah.
4. **Smith, J. W.** (2017, May). *Effects of drought on recreation in Region 3*. Paper presented at the Adapting to Drought in the Southwestern Region Workshop hosted by the USDA Forest Service's Office of Sustainability and Climate Change, Albuquerque, New Mexico.
5. **Smith, J. W.** (2017, April). *The impacts of drought on recreational fishing: Recent evidence and adaptation strategies*. Paper presented at the Climate Change and Drought: Adaptation in the Rocky Mountain Region Workshop hosted by the USDA Forest Service's Office of Sustainability and Climate Change, Salida, Colorado.
6. **Smith, J. W.**, Slocumb, W. S., & Smith, C. T. (2014, November). *Developing a geospatial platform for the National Park Service's Conservation and Outdoor Recreation Branch*. Paper presented for the Center for Geospatial Analytics' Geospatial Analytics and Modeling discussion forum, Raleigh, North Carolina.

7. **Smith, J. W.** (2014, July). *Studying the human dimensions of soundscape ecology with immersive virtual environment technology*. Paper presented for the NSF: Research Coordination Network funded Global Sustainable Soundscapes Network Workshop, Ogunquit, Maine.
8. **Smith, J. W.** (2014, April). *Processes and prospects for gauging the psychological and economic dimensions of soundscape components with immersive virtual environment technology*. Paper presented for the Sound/Science/Environment Workshop on Soundscape Studies, State College, Pennsylvania.
9. **Smith, J. W.** (2013, September). *Incorporating contingent decision-making behavior in agent-based models of environmental change*. Paper presented for the Center for Earth Observation's Geospatial Analytics and Modeling discussion forum, Raleigh, North Carolina.
10. **Smith, J. W.** (2013, July). *Social dimensions of soundscape science research*. Paper presented for the NSF: Research Coordination Network funded Global Sustainable Soundscapes Network Workshop, Oracle, Arizona.
11. **Smith, J. W.** (2012, October). *On-site sampling for visitor behavior studies: Fundamentals and distinctions between off-site sampling approaches*. Virtual presentation for the University of Minnesota's Fall 2012 *Visitor Behavior Analysis* course, Minneapolis, Minnesota.
12. **Smith, J. W.** (2012, April). *Adaptive engagement in forest planning contingent upon hypothetical climate change impacts*. Paper presented for Purdue University's Department of Forestry and Natural Resources Graduate Student Seminar Series, West Lafayette, Indiana.

#### INVITED PANELIST

1. **Smith, J. W.** (2014, April). *Legitimacy of elected versus appointed officials and institutions*. Themed roundtable discussion at the 62<sup>nd</sup> Annual Nebraska Symposium on Motivation – *Cooperation and compliance with authority: The role of institutional trust*, Lincoln, Nebraska.

#### WORKSHOPS:

##### INVITED WORKSHOP PARTICIPANT

1. 2015, October 8-9. *Research Network for Water Solutions interdisciplinary leadership summit*. NC State University, Wilmington, NC.
2. 2015, June 1-5. *Expert workshop: North American fish and climate change*. USGS Northern Rocky Mountain Science Center, Bozeman, MT.
3. 2014, July 16-19. *Global Sustainable Soundscapes Network workshop*. National Science Foundation, Ogunquit, ME.
4. 2014, April 7-8. *Sound/science/environment: A critical workshop*. Penn State University, State College, PA.
5. 2014, April 26-27. *Workshop on institutional trust and confidence*. National Science Foundation, Lincoln, NE.
6. 2013, July 13-17. *Global Sustainable Soundscapes Network workshop*. National Science Foundation, Oracle, AZ.
7. 2012, October 13-20. *Dissertations Initiative for the Advancement of Climate Change Research Symposium (DISCCRS)*. National Science Foundation, Colorado Springs, CO.

#### AWARDS AND HONORS:

- 2017 Proposal Writing Institute participant. Office of Research and Graduate Studies, Utah State University.



- 2012 Dissertations Initiative for the Advancement of Climate Change Research (DISCCRS) VII Symposium Scholar. National Science Foundation.
- 2010 – 2011 Cooperative Ecosystem Studies Units (CESU) Network National Office Fellowship recipient. Department of the Interior.
- 2008 – 2011 Hofmann Fellowship recipient. NC State University College of Natural Resources.
- 2009 Annual Congress Travel Assistance Scholarship recipient. National Recreation and Park Association.
- 2008 – 2009 Doctoral Student of the Year. NC State University, Department of Parks, Recreation and Tourism Management.
- 2008 ISSRM Travel Scholarship recipient. Utah State University.
- 2007 Lucille and Derby Dustin Future Scholar Award recipient. National Recreation and Park Association.
- 2007 – 2008 NEPA Certificate Scholarship recipient. Shipley Group.

## TEACHING AND MENTORING

### TEACHING EXPERIENCE:

#### COURSES TAUGHT

1. *Environment and Society Departmental Seminar* (Utah State, ENVS 4980/6800/7800) – The departmental seminar serves as an open and constructive venue where students in the Department of Environment and Society will have an opportunity to learn about each other’s research and their interest in uncovering new information about how humans affect and respond to environmental change. The seminar also provides an opportunity for students within the department to explore common themes and topics that affect how they conduct and disseminate their research. 15 students. Spring 2016.

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2. *Social Network Analysis for Natural Resource Management* (NC State, GIS 595/PRT 795) – This course provides an overview of research on how social networks affect individual, agency and organizational behavior within the context of natural resource management. Case studies and findings offered by previous research are augmented with detailed and collaborative lab-based assignments that give students a clear understanding of how to collect and analyze both eco-centric and whole-network data. Specifically, this involves: i) describing and calculating node-level and network level metrics; ii) identifying clusters, factions and cores; iii) analyzing two-mode relational data; iv) estimating peer influence; and iv) utilizing QAP regression to formally test hypotheses. All analysis is done in R but does not require previous experience with the software. Heavy emphasis is placed throughout the course on quantifying and measuring the temporal and geospatial implications of individual, agency and organizational behavior in natural resource management systems. 20 students. Fall 2014, 2015.
3. *Introduction to Geovisualization Technologies* (NC State, GIS 505) – This course provides an overview of emerging methods and tools for the visual exploration, analysis, synthesis and presentation of data that contains geographic information. Specific methods include the collection and representation of three-dimensional, remotely sensed and gigapixel imagery. An introduction to the display of digital imagery and visualizations through interactive GIS and immersive virtual environment technology is also covered. This hands-on course provides an opportunity to interact with current technologies within the Center for Geospatial Analytics’ Geovisualization Laboratory. 20 students. Spring 2014, 2015.
4. *Principles of Geospatial Information Systems* (NC State, GIS 530) – This course focuses on geospatial information systems from a mathematical and information science perspective. We discuss theoretical frameworks for conceptualizing geographic data, including levels of measurement, data control and the vector data and raster data paradigms. Then we discuss the geometric underpinnings of geospatial systems: representing data with geographic elements, spatial referencing systems and projections. Next, we explore map-related topology and computational geometry concepts. Finally, we survey the algorithms for core spatial manipulations, such as interpolation and polygon operations. 30 students. Spring 2014.
5. *Research Methods for Natural Resource Social Science* (Purdue, FNR 580) – Covers basic elements of research design for social scientists, with an emphasis on issues pertinent to natural resource management. Topics covered include the role of theories and paradigms in designing sound research, writing research questions and hypotheses and the importance of validity and reliability in research design. Qualitative, quantitative and mixed methods designs are presented and discussed. 15 students. Spring 2012, Fall 2012.

6. *Human Dimensions of Natural Resources* (Purdue, FNR 375) – An introduction to the human dimensions of forestry, wildlife and recreation; students learn how values, attitudes, community and behavior relate to natural resource management and decision-making. Various natural resource management stakeholders such as private landowners, natural resource agencies, the judiciary and environmental and natural resource interest groups are discussed. Case studies specific to Indiana and the Midwest are utilized. 90 students. Spring 2012.
7. *Natural Resource Issues, Policy and Administration* (Purdue, FNR 365) – A broad overview of current natural resource and environmental policy issues at the global, national, regional and local levels. The origins of major natural resource and environmental issues, and the key individuals and organizations that shaped them, are covered. The achievements and deficiencies of these policies, as well as potential proposals for alternative solutions are examined. A combination of lectures, discussions, in-class activities, guest speakers and independent research are utilized. 90 students. Fall 2011, 2012.
8. *Outdoor Recreation Management* (NC State, PRT 350) – Designed to provide students with an understanding of natural resource based recreation management concepts. Methods of outdoor recreation planning and management are explored with special emphasis on the public sector. Current issues related to providing outdoor recreation opportunities are identified, presented and discussed. 50 students. Spring 2010.
9. *Sustainable Human and Environmental Systems* (NC State) – Graduate assistant and co-leader on American Universities International Programs’ (AUIP) 3.5 weeklong summer study abroad course to New Zealand. 24 students. Summer 2009.
10. *Outdoor Recreation Consortium* (NC State, PRT 351/610A) – Field course taught in Great Smoky Mountain National Park. Spring 2009.

#### **COURSES DEVELOPED**

1. *Data Management and Analytical Approaches for Sustainable Tourism* (NC State, PRT 595) – Provides students the ability to solve real world tourism problems through the use of advanced analytical methods. The course consists of three segments: data management, analytical approaches and an independent project.

#### **WORKSHOPS:**

##### **INVITED WORKSHOPS**

1. **Smith, J. W.** (2015, February 9-13). *Immersive Virtual Environment Technology for Teaching and Research*. A 10 session series for the University of South Australia. 20 hours total. ~12 participants per session.

#### **ADVISING:**

##### **COMMITTEE CHAIR (\*CO-CHAIR)**

Chase C. Lamborn	PhD – Environment and Society Dissertation: Title TBD	2017 –
Hongchao Zhang	PhD – Environment and Society Dissertation: Title TBD	2017 –
Emily J. Wilkins	PhD – Environment and Society Dissertation: Title TBD	2017 –
Lauren Nicole Dup��y	PhD – Environment and Society Dissertation: Title TBD	2016 –
Adam Hestetune	MS – Recreation Resources Management Thesis: Title TBD	2017 –

Ben Muhlestein	MS – Recreation Resources Management <b>Thesis:</b> Title TBD	2018 –
Georgina M. Sanchez*	PhD – Forestry and Environ. Resources (Minor: GIS) <b>Dissertation:</b> Forecasting water scarcity through integrated models of environmental change	2014 – 2018
Lindsey S. Smart*	PhD – Forestry and Environ. Resources (Minor: GIS) <b>Dissertation:</b> Rising seas and the changing coastal landscape: Integrating land change pattern and process to quantify the socio-ecological impacts of sea level rise	2014 – 2018
Allie McCreary*	PhD – Parks, Recreation and Tourism Management <b>Dissertation:</b> A place-based framework for assessing climate change impacts to nature-based tourism: Why attributes, activities and meanings matter <b>Currently:</b> Assistant Professor, Western Kentucky University	2014 – 2017
Tian Guo*	PhD – Parks, Recreation and Tourism Management <b>Dissertation:</b> Examining environmentally significant recreation behavior on the Appalachian Trail <b>Currently:</b> Post-doctoral Research Scientist at the University of Michigan	2012 – 2016
Brooke Sausser	MS – Recreation Resources Management <b>Thesis:</b> Elevating outdoor recreation together: Opportunities for collaboration between state offices of outdoor recreation and federal land management agencies, the outdoor recreation industry, nongovernmental organizations, and local outdoor recreation providers	2017 – 2018
Riana Gayle*	MS – Environment and Society <b>Thesis:</b> Sociodemographic and climatic factors shaping the development of drought policies in major U.S. cities	2016 – 2018
Karly Bitsura-Meszaros*	MS – Natural Resources (Outdoor Recreation Tech. Option) <b>Thesis:</b> Exploring local knowledge and capacities to address climate risk and adaptation along the North Shore of Minnesota <b>Currently:</b> PhD student at NC State University	2013 – 2015
Rosemary Keane	MS – Natural Resources (Outdoor Recreation Tech. Option) <b>Thesis:</b> Social media and the National Park Service: A case study of visitor preferences at Crater Lake National Park <b>Currently:</b> Outreach and Communication Specialist with the USAID Soybean Innovation Lab, University of Illinois at Urbana-Champaign	2014 – 2016
George Grygar	MNR – Natural Resources	2017 –
<b>COMMITTEE MEMBER</b>		
Alexi Lamm	PhD – Environment and Society	2015 –
Melissa Chelak	PhD – Ecology	2016 –
Leandro Nascimento	PhD – Ecology	2015 –
Laura Belica	PhD – Forestry and Environmental Resources (Minor: GIS)	2015 –
Jason Matney	PhD – Forestry and Environmental Resources (Minor: GIS)	2015 –
Gwendwr Meredith	PhD – Human Dimensions of Ecosystem Science and Mgmt.	2014 –
Ginger Deason	PhD – Parks, Recreation and Tourism Management	2013 – 2018
Jing Li	PhD – Parks, Recreation and Tourism Management	2013 – 2017
Gareth Jones	PhD – Parks, Recreation and Tourism Management	2013 – 2016
Robert Radics	PhD – Forest Biomaterials	2012 – 2015
Birendra KC	PhD – Parks, Recreation and Tourism Management	2012 – 2015
Yuchen Mao	PhD – Parks, Recreation and Tourism Management	2011 – 2014
Noah Creany	MS – Recreation Resource Management	2017 –
Robin Graham	MS – Human Dimensions of Ecosystem Science and Mgmt.	2014 –
Liz Cook	MS – Geography	2016 – 2018
Malorey Henderson	MS – Parks, Recreation and Tourism Management	2015 – 2017

Tyler Hays	MS – Forest Biomaterials	2014 – 2017
Erin Crouse	MS – Natural Resources (Outdoor Recreation Tech. Option)	2012 – 2016
Matt Whitlow	MNR – Natural Resources (Outdoor Recreation Tech. Option)	2013 – 2015

**COMPETITIVE GRANTS/AWARDS OBTAINED BY ADVISEES**

- **Dupéy, L. N.** 2018 Quick Response Grant recipient. Award: \$2,000.
- **Wilkins, E. J.** 2018 Summer School on Sustainable Climate Risk Management at Penn State University. Award: Lodging, meals, registration, and travel.
- **Wilkins, E. J.** 2017-2018 Utah State University Climate Adaptation Science Fellowship. Award: \$32,000
- **Gayle, R.** 2017 Center for Behavior, Institutions and the Environment Winter School on “How to model human decision-making in socio-ecological agent-based models” participant. Award: Participation
- **Smart, L. S.** 2017 Center for Behavior, Institutions and the Environment Winter School on “How to model human decision-making in socio-ecological agent-based models” participant. Award: Participation
- **Smart, L. S.** SESYNC Short Course on “Introduction to spatial agent-based modeling” participant. Award: Lodging and per diem
- **Smart, L. S.** 2017 NC Sea Grant/NC Space Grant Graduate Research Fellowship. Award: \$10,000
- **McCreary, A.** 2016 – 2017 North Carolina Recreation and Parks Scholarship Foundation Fletcher Graduate Scholarship. Award: \$1,500
- **Bitsura-Meszaros, K.** 2016 – 2017 Southeast Climate Science Center Global Change Fellowship. Award: \$12,000
- **Bitsura-Meszaros, K.** 2015 – 2016 NC State Provost Doctoral Recruitment Fellowship. Award: \$23,000
- **McCreary, A.** 2015 – 2016 North Carolina Recreation and Parks Scholarship Foundation Fletcher Graduate Scholarship. Award: \$1,500
- **Drake, M., Valdez, R., Popp, A., & Bitsura-Meszaros, K.** NC State University Sustainability Fund Project Award. Award: \$2,200
- **Sanchez, G. M.** 2015 – 2016 Southeast Climate Science Center Global Change Fellowship. Award: \$12,000
- **McCreary, A., Bitsura-Meszaros, K., & Gonzalez-Jueck, G.** NC State University Graduate Student Association Block Grant Award. Award: \$300
- **Keane, R., & McCreary, A.** CUAHSI’s 2014 Challenge Grant Award. Award \$4,000
- **Smart, L. S.** 2014 – 2015 NC State Provost Doctoral Recruitment Fellowship. Award: \$21,000
- **Keane, R.** 2014 Crater Lake National Park Science and Learning Fellowship. Award: \$2,500

## SERVICE

### **JOURNAL ARTICLE REVIEWS (102 SINCE 2010 = 10.2 PER YEAR)**

*Journal* (Manuscripts, not counting revisions)  
*African Journal of Environmental Science and Technology* (1)  
*AIMS Environmental Science* (1)  
*American Journal of Preventive Medicine* (1)  
*Annals of Leisure Research* (1)  
*Annals of the American Association of Geographers* (1)  
*Climatic Change* (2)  
*Community Development* (1)  
*Ecological Applications* (1)  
*Ecological Indicators* (11)  
*Environment & Behavior* (2)  
*Environmental Communication* (3)  
*Environmental Management* (1)  
*Forest Science* (2)  
*Forests* (1)  
*Geoforum* (1)  
*Geoinformatica* (1)  
*Human Dimensions of Wildlife* (3)  
*Human Ecology* (3)  
*International Forestry Review* (1)  
*Journal of Applied Meteorology and Climatology* (1)  
*Journal of Coastal Research* (2)  
*Journal of Environmental Management* (1)  
*Journal of Environmental Planning and Management* (1)  
*Journal of Forestry* (2)  
*Journal of Hydrometeorology* (1)  
*Journal of Leisure Research* (1)  
*Journal of Nature Conservation* (1)  
*Journal of Outdoor Recreation and Tourism* (4)  
*Journal of the American Water Resources Association* (1)  
*Journal of Unconventional Parks, Tourism, and Recreation Research* (1)  
*Landscape and Urban Planning* (7)  
*Landscape Research* (1)  
*Leisure/Loisir* (1)  
*Leisure Sciences* (11)  
*Rural Sociology* (1)  
*Social Indicators Research* (2)  
*Social Sciences* (1)  
*Society & Natural Resources* (14)  
*Sustainable Cities and Society* (1)  
*Urban Planning* (1)  
*Urban Studies* (1)  
*Weather and Forecasting* (1)  
*Weather, Climate and Society* (4)  
*World Development* (1)  
*World Leisure Journal* (1)

#### **JOURNAL ASSOCIATE EDITOR OR EDITORIAL BOARD MEMBER**

*Journal* (Manuscripts)  
*Leisure Sciences* (8)  
*Sage Open* (1)

#### **JOURNAL GUEST EDITOR FOR SPECIAL ISSUE**

*Journal* (Special issue title; Articles)  
*Journal of Park and Recreation Administration* (Climate change and outdoor recreation: Shifting supply and demand; TBD)

#### **TECHNICAL REPORT CHAPTER REVIEWER**

Publisher (Technical Report Chapters)  
USDA Forest Service (1)

#### **BOOK PROPOSAL REVIEWS**

*Publisher* (Reviews)  
*Elsevier* (1)  
*Taylor & Francis/CRC Press* (1)  
*Wiley-Blackwell* (1)

#### **EXTENSION MATERIALS REVIEWED**

Type of Material (number of reviews, not counting revisions)  
*Fact Sheets* (1)

#### **CONFERENCE PLANNING AND HOSTING**

- 2018 International Symposium on Society and Resource Management, Snowbird, Utah (Co-chair of symposium planning committee)
- 2015 International Symposium on Society and Resource Management, Charleston, South Carolina (Symposium planning committee member)

#### **CONFERENCE SUBMISSION REVIEWS**

*Conference* (Years serving as reviewer)  
*ACM SIGSPATIAL International Workshop on Analytics for Big Geospatial Data* (1)  
*International Congress for Conservation Biology* (1)  
*National Extension Tourism Conference* (1)  
*Northeastern Recreation Research Symposium* (2)  
*Southeastern Recreation Research Symposium* (1)

#### **GRANT PROPOSAL REVIEWS**

*Agency, Competition* (Years serving as reviewer)  
*Maine Sea Grant, Biennial Research Call* (1)  
*Maryland Sea Grant, Biennial Research Call* (1)  
*USDA NIFA Multistate Research Funds Program* (1)

#### **COLLEGE, DEPARTMENTAL AND CENTER COMMITTEES**

- 2018: Utah State University, Department of Environment and Society, Assistant Professor of Wildlife and Society Search Committee
- 2018: Utah State University, Department of Environment and Society, Assistant Professor of Recreation Resource Management Search Committee

- 2017: Utah State University, Department of Environment and Society, Andrew J. Senti Endowed Assistant Professorship in Ecosystem Services Search Committee
- 2016 – current: Utah State University, College of Natural Resources, Safety Committee (Departmental representative)

UTAH STATE UNIVERSITY

NC STATE UNIVERSITY

- 2015: NC State University, College of Natural Resources, Research Committee (Departmental representative)
- 2014: NC State University, Department of Parks, Recreation and Tourism Management, Assoc./Full Prof. in Geospatial Analytics and Human Dimensions of Natural Resources (Member)
- 2014: NC State University, College of Natural Resources, Director of Communications Search Committee (Member)
- 2014: NC State University, Center for Geospatial Analytics, Web Presence Development Committee (Member)
- 2013: NC State University, Department of Parks, Recreation and Tourism Management, Asst. Prof. in Sport and Sustainable Community Development Search Committee (Member)
- 2009: NC State University, Department of Parks, Recreation and Tourism Management, Asst./Assoc. Prof. in Tourism Search Committee (Graduate student representative)

**COLLEGE COMMITTEES**

- 2013 – 2014: NC State CNR Strategic Planning Interdisciplinary Research Themes Committee (member)

**INTER-DEPARTMENTAL AND AFFILIATE FACULTY STATUS:**

- 2016 – current: Utah State University Climate Adaptation Science Program Faculty
- 2016 – current: Utah State University Ecology Center Faculty Associate
- 2013 – 2015: NC State Center for Geospatial Analytics Faculty Fellow
- 2013 – 2015: Southeast Climate Science Center Faculty Affiliate
- 2013 – 2015: College of Natural Resources' Natural Resource Masters Graduate Faculty

**PROFESSIONAL AFFILIATIONS:**

- Association of American Geographers
- International Association for Society and Natural Resources
- Society of American Foresters
- Society of Outdoor Recreation Professionals

**PROFESSIONAL COMMITTEES (CURRENT):**

- Society of Outdoor Recreation Professionals Secretary (2018-current)
- Society of Outdoor Recreation Professionals Board Member (2017-2018)

**PROFESSIONAL COMMITTEES (PAST):**

- Global Sustainable Soundscape Network Steering Committee member (2014-2015)
- Human Dimensions of Global Environmental Change AAG Specialty Group Co-Director (2014-2016)



## REFERENCES

**MYRON F. FLOYD, PHD**, Professor and Department Head  
Department of Parks, Recreation and Tourism Management  
NC State University  
CB 8004 Biltmore Hall  
Raleigh, NC 27695  
(919) 515-3675  
[mffloyd@ncsu.edu](mailto:mffloyd@ncsu.edu)

**DOROTHY H. ANDERSON, PHD**, Emeritus Professor  
Department of Forest Resources  
University of Minnesota  
115 Green Hall, 1530 Cleveland Ave. N.  
St. Paul, MN 55108  
612-624-3400  
[dha@umn.edu](mailto:dha@umn.edu)

**BRYAN C. PIJANOWSKI, PHD**, Professor  
Department of Forestry and Natural Resources  
Purdue University  
195 Marsteller Street  
West Lafayette, IN 47906  
(765) 496-2215  
[bpijanow@purdue.edu](mailto:bpijanow@purdue.edu)

**CHRISTOS SIDERELIS, PHD**, Emeritus Professor  
NC State University  
CB 8004 Biltmore Hall  
Raleigh, NC 27695  
(919) 219-3497  
[csiderelis@aol.com](mailto:csiderelis@aol.com)