

# Lindsay Catherine Sansom, Ph.D.

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## EDUCATION

- 2018 Ph.D., Ecosystem Science and Management, Department of Ecosystem Science and Management, Texas A&M University, College Station, TX (Advisors: Kent Portney, Forrest Fleischman) GPA 3.94
- 2012 M.A., International Relations and Environmental Policy, Frederick S. Pardee School of Global Studies, Boston University, Boston, MA (Advisor: Ann Helwege) GPA 3.68
- 2007 B.A. in International Relations (Hons.), School of Behavioral and Social Sciences, St. Edward's University, Austin, TX (Advisor: Louise Heenan) GPA 3.43

## RESEARCH AND TEACHING

- 2022 - Current **Research Assistant Professor**, Department of Environmental and Occupational Health, Texas A&M University
- 2019 - 2022 **Research Assistant Professor**, GEOG 205 Environmental Change, Department of Geography, Texas A&M University
- 2019 - 2019 **Lecturer**, GEOG 205 Environmental Change, Department of Geography, Texas A&M University
- 2016 - 2018 **Research Coordinator for Transboundary Groundwater Governance Project**, Institute for Science, Technology and Public Policy, Bush School of Government and Public Service, Texas A&M University, College Station, TX
- 2017 - 2017 **International Field Trip Leader**, ALED 313 Culture Theory, Orientation and Adaptation, Department of Agricultural Leadership and Development, Texas A&M University
- 2014 - 2015 **Research Associate**, The Meadows Center for Water and the Environment, College Station, TX
- 2013 - 2014 **Graduate Research Assistant**, Texas A&M University and The Meadows Center for Water and the Environment, College Station, TX
- 2012 - 2013 **Graduate Research & Teaching Assistant**, The Meadows Center for Water and the Environment, Texas State University, San Marcos, TX
- 2012 - 2013 **Teaching Assistant**, GEO 2110 Physical Geography Lab, Department of Geography, Texas State University
- 2007 - 2008 **Instructional Specialist**, Environmental Program, Travis County 4 - H C.A.P.I.T.A.L. AmeriCorps
- 2006 - 2006 **Research Stagiaire**, European Parliament - Brussels, Belgium

## PROFESSIONAL EXPERIENCE

- 2022 - 2024 **Grant Specialist IV**, Recreation Grants Branch, State Parks Division, Texas Parks and Wildlife Department, Austin, TX

- 2014 - 2018      **International Competition and Fellowship Coordinator**, Dean's Office in the College of Agriculture and Life Sciences, Texas A&M University, College Station, TX
- 2011 - 2013      **Special Projects Assistant/Grant Editor**, Texas Parks and Wildlife Department, Austin, TX
- 2009 - 2009      **Environmental Policy Lead**, Save the Harbor / Save the Bay, Boston, MA
- 2007 - 2007      **Education and Public Policy Intern**, Austin Chamber of Commerce, Austin, TX

## PEER REVIEWED PUBLICATIONS

7. Sansom, G. Fawkes, L., **Sansom, L.**, Thompson, C., Glanzer, A., Losa, L., Dixon, B. (2024) Assessing Self-Rated Physical Health Scores Following Repeat Exposure to Anthropogenic and Natural Hazards in Houston, TX. *Disaster Medicine and Public Health Preparedness*.
6. Sansom, G., Thompson, C., **Sansom, L.** Fawkes, L., Boerlin, E. (2022) Compounding impacts of hazard exposures on mental health in Houston, TX. *Natural Hazards*, 111, 2809 - 2818.
5. Buono, R., Baggerman, J., **Sansom, L.** (2021) Got a minute for the future of the Rio Grande? Considering the prospects for a sustainability minute in the wake of the Colorado's Minute 323, *Water International*, 46(4), 543 - 566.
4. Sansom, G. T., Aarvig, K., **Sansom, L.**, Thompson, C., Fawkes, L., & Katare, A. (2021) Understanding risk communication and willingness to follow emergency recommendations following anthropogenic disasters. *Environmental Justice*, 14(2), 159 - 167.
3. Sansom G, Cizmas L, Aarvig K, Dixon B, Kirsch KR, Katare A, **Sansom L.** (2019) Vulnerable Populations Exposed to Lead-Contaminated Drinking Water within Houston Ship Channel Communities. *International Journal of Environmental Research and Public Health*, 16(15): 2745.
2. **Sansom L.** (2019) "Transboundary Water Sharing: Risk Perceptions Held by Texas Border Decision - Makers" *Texas Water Journal*, 10(1), 101-111.
1. Hannibal, B., **Sansom, L.**, & E. Portney, K. (2019) The effect of local water scarcity and drought on water conservation behaviors. *Environmental Sociology*, 5(3), 294 - 307.

## PUBLICATIONS UNDER REVIEW

- Yeh S., **Sansom L.**, Maddock J., Frumkin H. "Health Promotion in Public Parks: A Statewide Study in Texas" *American Journal of Public Health*.
- Sansom G., **Sansom L.**, Roh T., Gomez L., Cases R., Hernandez R., Zheng J., Newman G., Sharkey J. "Community-Engaged Science Along the US-Mexico Border: Methodologies for Community Participation in Environmental Research. *Environmental Justice*
- Sansom, L.**, Thompson, C., Dixon, B. Community Cohesion and Natural Hazard Recovery. *Jamba: Disaster Medicine and Public Health Preparedness Journal*. Cambridge University Press.

## IN-PREPERATION PUBLICATIONS

- Sansom, L.**, Hernandez R., Glanzer, A. Risk Communication and Hazard Preparedness. Target Journal: Wiley Disasters

**Sansom, L.,** Dixon, B. Fawkes, L., Sansom, G., Johnson, J., Mims, T. Willingness to Follow Warnings Associated with Flash Flooding. Target Journal: Environment and Behavior Sage Journals

**Sansom, L.,** Fleischman, F. Can Engagement Mitigate Perceptions of Risk and Increase Trust in Transboundary Water Sharing: The Case of the U.S. - Mexico Border. Target Journal: Environmental Science and Policy

## GRANTS

**Institute of Advancing Health Through Agriculture.** IHA Transformative Research Capacity Funding RFP "A Naturalistic Study of Residents of an Agriculturally Integrated Community" 02/01/2025 – 03/01/2026 (\$500,000) – Co-Investigator

**Methodist Healthcare Ministry of South Texas** "Characterizing Water Contaminants Within the Colonias Utilizing Citizen Scientists and Participatory-Based Research" 01/01/2025 - 12/31/2029 (\$5,000,000) – Co- Investigator

**The National Academies of Sciences Engineering and Medicine (NASEM)** "Assessing Perceived and Actual Environmental Health Risk among Northeast Houston Residents in the Communities of Lakewood and Settegast" December 1, 2024 – December 31, 2025 (\$300,000) – Co- Principal Investigator

**Houston Methodist Research Institute. Center for Health and Nature (CHN) Seedling** "Green Spaces as Community Catalysts: A Case Study of Community Cohesion at Macgregor Park" 08/01/2024 – 07/31/2026 (\$31,700) – Principal Investigator

**Methodist Healthcare Ministry of South Texas** "Characterizing Water Contaminants Within the Colonias Utilizing Citizen Scientists and Participatory-Based Research" 06/01/2022 – 12/31/2024 (\$1,500,000) – Co- Investigator

**National Institute of Environmental Health Sciences:** Pilot Grant Program, P42ES027704-01 "The Role of Community Cohesion, Trust, and Knowledge in Reacting and Responding to Hazard Events" 06/01/2021 – 08/31/2022 (\$17,204) – Principal Investigator

**Texas A&M University:** Presidential Transformational Teaching Award. 2020 – 2022 (20,000) – Principal Investigator

## GRANTS UNDER REVIEW

**The National Academies of Sciences Engineering and Medicine (NASEM)** "Implementing Greenspace Solutions to Environmental toxins among Northeast Houston Residents in the Communities of Lakewood and Settegast" August 1, 2025 – July 31, 2028 (\$2,250,000) – Co- Investigator

## COMMITTEE APPOINTMENTS

**Texas A&M University:** Department of Geography, Graduate Committee Co-chair, Samantha Sellers (2020 - 2023) "Geospatial Comparison of National Social Vulnerability Indices in El Paso, Texas"

## CONFERENCE PRESENTATIONS

Maddock J., Frenchi T., Rodriguez N., **Sansom L.** (2024) "Setting a Research Agenda for Nature and Health" Global Outdoor Health (GOH) Summit. San Antonio, Texas.

**Sansom L.**, Fleury J., (2024) "Improving Community Health Outcomes through Park Access: Texas Health Parks Decision Support Tool" National Recreation and Parks Association Conference. Atlanta, Georgia

**Sansom, L.** Sansom, G. (2024) "Assessing the Impact of Urban Greenspace Solutions for Environmental Health Improvement " 6th International Conference on Environmental Sciences and Renewable Energy (ESRE). Frankfurt Germany.

**Sansom L.**, (2024) "How State Comprehensive Outdoor Recreation Plans turn into Action with the Land and Water Conservation Fund" National Outdoor Recreation Conference (NORC). Stateside, Nevada.

**Sansom L.**, Sansom G., Hernandez, R, Lossa, L. (2024) "Cohesive Cities and Resilient Cities: Are They the Same?" Disaster PRIMR: Interfaces of Disaster. College Station, Texas

**Sansom L.**, Sansom G. (2024) "Texas Colonias and Water Equity Issues" Texas Lyceum. Texarkana, Texas

**Sansom L.**, (2023) "High Impact Societal Engagement" Scowcroft Institute for International Affairs: Border Health Summit. College Station, Texas

Kyle G., **Sansom L.**, Walker J.R., Jenkins J., (2023) "Butler Lecture: Addressing the Challenge of Providing Nature-Based Recreation Opportunities in Texas" National Recreation and Park Association. Dallas, Texas

**Sansom L.**, (2020) "Cultural Discourse Design Innovation: Leading by Example" Transformational Teaching and Learning Conference. College Station, Texas.

**Sansom L.**, (2020) "Trust and Cooperative Decision-Making over Transboundary Water Sharing "National Council for Science and the Environment. Washington D.C.

**Sansom L.**, (2018) "Risk Perception and Trust in International Groundwater Sharing: A Texas - Mexico case study" American Water Resources Association. Ft. Worth, Texas.

**Sansom L.**, (2017) "Transboundary water sharing: Cooperation and Conflict between the U.S. and Mexico" University Council on Water Resources. Ft Collins, Colorado.

Hannibal, B., **Sansom L.**, (2017) "Effect of Local Water Scarcity and Drought on Water Conservation Behaviors" University Council on Water Resources. Ft Collins, Colorado.

**Sansom L.**, (2017) "Cooperation and Conflict over Transboundary Water Sharing: The U.S. - Mexico case study" World Water Congress XVI. Cancun Mexico.

**Sansom L.**, (2017) "The Hueco Bolson: A case for Improved Transboundary Aquifer Governance" World Water Congress XVI. Cancun Mexico.

**Sansom L.**, (2017) "Charting International Cooperation and Conflict over Water Governance" SRW Texas A&M University. College Station TX.

**Sansom L.**, (2017) "Eye of the Storm: Natural Disaster and Emergency Management Roundtable" MSC SCONA 62: Student Conference on National Affairs. College Station TX.

**Sansom L.,** (2017) "U.S. - Mexico Water Cooperation and Conflict" Conference of Latin Americanist Geographers. New Orleans LA.

## OTHER PUBLICATIONS

### Popular Press Articles

**Sansom L.,** (2014) River watchers: Citizen Science gives Texas Stream Team a good reason to go Paddling. Texas Parks and Wildlife Magazine December 2014.

**Sansom L.,** Moreland D., Hein K. (2014) Challenges of International Management of the Rio Grande Basin. The Drop.

**Sansom L.,** Protecting Spring Flow in the Edwards Aquifer (2014). The Drop Newsletter February 2014.

**Sansom L.,** Cypress Creek Watershed Protection Plan (2014) Headwaters Newsletter Summer 2014.

**Sansom L.,** Citizen Scientist Spotlight: In Memory of Alfred C. Schram (2014) Headwaters Newsletter Summer 2014.

**Sansom L.,** Partner Spotlight: Texas Stream Team Partners with Pan Am University of Texas (2014). Headwaters Newsletter Spring 2014.

**Sansom L.,** Volunteer Spotlight: Delores McCright (2014). Headwaters Newsletter Spring 2014.

**Sansom L.,** (2013) The transformation of Aquarena: How a beloved, decaying theme park became a world-class nature center. Texas Parks and Wildlife Magazine May 2013.

### Project Reports

**Sansom L.,** Kyle, G., Spears, E., (2024) Texas Outdoor Recreation Plan 2024-2028. Recreation Grants State Parks Division. TPWD Publication. 2024 TPWD. PWD RP P4000-1673

**Sansom L.,** (2013) Texas Water Issue Briefs: Institutional Actors for Water in Texas. Meadows Center for Water and the Environment.

**Sansom L.,** (2013) Texas Water Issue Briefs: Drought Policy and Contingency Planning. Meadows Center for Water and the Environment.

**Sansom L.,** (2013) Texas Water Issue Briefs: Groundwater - Surface Water Interactions. Meadows Center for Water and the Environment.

**Sansom L.,** (2013) Texas Water Issue Briefs Series: Groundwater Rights in Texas. Meadows Center for Water and the Environment.

**Sansom L.,** Patolo N. (2013) Texas Water Issue Briefs Series: Transboundary Water Policy in Texas - The Case of the Rio Grande. Meadows Center for Water and the Environment.

**Sansom L.,** (2013) Texas Water Issue Briefs Series: Physical Effects of Drought. Meadows Center for Water and the Environment.

**Sansom G., Sansom L.,** (2013) Texas Water Issue Briefs Series: Economic Impact of Drought in Texas. Meadows Center for Water and the Environment.

**Sansom L.,** (2013) Texas Water Issue Briefs Series: Surface Water Rights in Texas. Meadows Center for Water and the Environment.

**Sansom L.**, (2013) Texas Water Issue Briefs Series: Agricultural Irrigation Conservation. Meadows Center for Water and the Environment.

Chamberlain A., Beckcom C., Lagarde D., Dziekan K., Marbach L., Sansom G., **Sansom L.**, Herron N., Eley R., Stover S., Birdsong T. (2012). Texas Outdoor Recreation Plan 2012. Recreation Grants State Parks Division. TPWD Publication.

## FELLOWSHIPS AND SCHOLARSHIPS

TWRI Mills Scholarship (\$5,000)	2017 - 2018
Diversity Scholarship from College of Geosciences (\$3,500)	2013 - 2014
TPEG and TSTG Grant from Texas State University (\$1,500)	2012 - 2013
Service Scholarship for Outstanding Community Service (\$2,500)	2005 - 2006

## AWARDS AND HONORS

TPWD Fall 2023 Merit Award (\$4,000)	2023
TPWD Spring 2023 Merit Award (\$2,000)	2023
DeBakey Executive Research Leadership Certificate	2022
OGAPS Unsung Hero Award (\$1,000)	2018
Susan M. Arseven Make-A-Difference Memorial Award (\$1,000)	2018
Texas AWWA Membership Recruiting Award	2017
OGAPS Spring Travel Award (\$750)	2017
Runner up Policy Paper and Presentation at MSC SCONA	2017
AmeriCorps Reach for the Stars: Superior Service Team Award	2008

## SERVICE

Environmental and Occupational Health Dept. Faculty Search Committee	2024
Director of Health and Nature Research Leadership Program	2024-2025
TPWD Land Acquisition Strategy Redevelopment Committee	2023-2024
Blanco River Academy Education Board	2021 - 2024
Geography Department Awards Committee	2020 - 2022
Senior Advisor for Academic Planning. Borlaug Institute of International Agriculture	2020 - 2021
<i>Member</i> - Publishing Committee: Borlaug Institute of International Agriculture	2019
<i>Session Moderator</i> - AWRA Summer Conference: The Science, Management and Governance of Transboundary Groundwater, Fort Worth, TX	2018
<i>Judge</i> - Student Research Week TAMU	2018
<i>Rapporteur for Special Sessions</i> - World Water Congress XVI, Cancun, Mexico	2017
<i>Judge</i> - Student Research Week TAMU	

## AFFILIATIONS

Center for Health and Nature Faculty Fellow	Since 2023
Certified Hays County Master Naturalist	Since 2022
Society of Outdoor Recreation, Member	Since 2022
Texas Recreation and Parks Society, Member	Since 2022
National Recreation and Park Association, Member	Since 2022
International Water Resource Association (IWRA), Member	Since 2016
American Water Resources Association (AWRA), Member	Since 2014
American Water Works Association (AWWA)	Since 2014