

# SEAN J. BENNETT

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## CONTACT INFORMATION

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## EDUCATION

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| 1993 | Ph.D. | Geological Sciences, Binghamton University, State University of New York, Binghamton, NY |
| 1988 | M.A.  | Geological Sciences, Binghamton University, State University of New York, Binghamton, NY |
| 1985 | B.S.  | Geology with honors, Brooklyn College, City University of New York, Brooklyn, NY         |

## RECENT EMPLOYMENT HISTORY

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| 2016-present | Chair, Department of Geography, University at Buffalo, State University of New York, Buffalo, NY 14261-0055           |
| 2014-present | Adjunct Professor, Department of Civil, Structural, and Environmental Engineering, University at Buffalo, Buffalo, NY |
| 2008-present | Professor, Department of Geography, University at Buffalo   |

## RECENT PUBLICATIONS

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Google Scholar Citation Analysis:  $h=34$ ,  $i10=71$ ,  $i100=11$ , total cites=4304

1. Bennett, S.J., and R.R. Wells, in press, Gully erosion processes, disciplinary fragmentation, and technological innovation, *Earth Surface Processes and Landforms*.
2. Sansom, B.J., S.J. Bennett, J.F. Atkinson, and C.C. Vaughn, 2018, Long-term persistence of freshwater mussel beds in labile river channels, *Freshwater Biology*, 63, 1469-1481.
3. Momm, H.G., R.R. Wells, and S.J. Bennett, 2018, Disaggregating soil erosion processes within an evolving experimental landscape, *Earth Surface Processes and Landforms*, 43, 543-552.
4. Sansom, B.J., J.F. Atkinson, and S.J. Bennett, 2018, Modulation of near-bed hydrodynamics by freshwater mussels in an experimental channel, *Hydrobiologia*, 810, 449-463.
5. Atkinson, J.F., S. Bennett, J. Qiao, and K. Vorenkamp, 2018, *Final Project Report: Research and Design for Passage of the Emerald Shiner*, Contract no. W912P4-14-C-0019, Great Lakes Remedial Action Plans Program Niagara River Area of Concern, U.S. Army Corps of Engineers Buffalo District, November 8, 2018, 160 pp.
6. Karamigolbaghi, M., S.M. Ghaneizad, J.F. Atkinson, S.J. Bennett, and R.R. Wells, 2017, Critical assessment of Jet Erosion Test methodologies for soil and cohesive sediment, *Geomorphology*, 295, 529-536.
7. Atkinson, J.F., S. Bennett, J. Qiao, and K. Vorenkamp, 2017, *Research and Design for Passage of the Emerald Shiner*, Contract no. W912P4-14-C-0019, US Army Corps of Engineers, November 1, 2017, 96 pp.
8. Bennett, S.J., 2017, *Study 2: Recent Erosion and Deposition Processes, Task 2.1b: Digital Mapping of Potential Analogue Sites, Amendment 1 – Expanded Study of 2010 and 2015 LiDAR Data*, West Valley Demonstration Project Erosion Working Group (S. Bennett, S. Doty, R. Fakundiny, G. Tucker, M. Wilson, and R. Young) and Enviro Compliance Solutions (M. Wolff), prepared for United States Department of Energy, and New York State Energy Research and Development Authority, October 13, 2017, 79 pp.
9. Bennett, S.J., 2017, *Study 2: Recent Erosion and Deposition Processes, Task 2.2: Infiltration and Soil Moisture Determination, Task 2.5: Erodibility of Cohesive Sediment, and Task 2.6: Erodibility of Clastic Sediment in Selected Gullies, Stream Channels, and Streambanks*, West Valley Demonstration Project Erosion Working Group (S. Bennett, S. Doty, R. Fakundiny, G. Tucker, M. Wilson, and R. Young) and Enviro Compliance Solutions (M. Wolff), prepared for United States Department of Energy, and New York State Energy Research and Development Authority, March 1, 2017, 208 pp.
10. Bennett, S.J., 2016, *Study 2: Recent Erosion and Deposition Processes, Task 2.1(b) Digital Mapping of Potential Analogue Sites*, West Valley Demonstration Project Erosion Working Group (S. Bennett, S. Doty, R. Fakundiny, G. Tucker, M. Wilson, and R. Young) and Enviro Compliance Solutions (M. Wolff), prepared for United States Department of Energy, and New York State Energy Research and Development Authority, July 2, 2016, 59 pp.

11. Cao, M., S.J. Bennett, Q. Shen, and R. Xu, 2016, A bat-inspired approach to define transition rules for a cellular automaton model used to simulate urban expansion, *International Journal of Geographical Information Science*, 30, 1961-1979.
12. Wells, R.R., H.G. Momm, S.J. Bennett, K.R. Gesch, S.M. Dabney, R. Cruse, and G.V. Wilson, 2016, A measurement method for rill and ephemeral gully erosion assessments, *Soil Science Society of America Journal*, 80, 203-214.
13. Bennett, S.J., and R. Liu, 2016, Basin self-similarity, Hack's law, and the evolution of experimental rill networks, *Geology*, 44, 35-38.
14. Ghaneezad, S.M., M. Karamigolbaghi, J.F. Atkinson, and S.J. Bennett, 2016, Evaluation of turbulence closure models for the simulation of circular impinging jets, *RiverFlow 2016, Eighth International Conference on Fluvial Hydraulics*, edited by G. Constantinescu, M.H. Garcia, and D. Hanes, St. Louis, MO, July 12-15, pp. 122-130.
15. Momm, H.G., R.R. Wells, S.J. Bennett, and A.L. Gilley, 2016, Image analysis for quantifying the spatiotemporal evolution of rill networks in laboratory experiments, *RiverFlow 2016, Eighth International Conference on Fluvial Hydraulics*, edited by G. Constantinescu, M.H. Garcia, and D. Hanes, St. Louis, MO, July 12-15, pp. 569-575.
16. Gallisdorfer, M.S., S.J. Bennett, S.M. Ghaneezad, and J.F. Atkinson, 2016, Morphodynamic responses of physical-scale experimental river channels to engineered log jams for stream restoration design, *RiverFlow 2016, Eighth International Conference on Fluvial Hydraulics*, edited by G. Constantinescu, M.H. Garcia, and D. Hanes, St. Louis, MO, July 12-15, pp. 2354-2359.
17. Karamigolbaghi, M., S.M. Ghaneezad, J.F. Atkinson, and S.J. Bennett, 2016, Experimental design of the submerged Jet Erosion Test for a soil erodibility evaluation, *World Environment and Water Resources Congress, Environmental & Water Resources Institute, ASCE*, May 22-26, 2016, West Palm Beach, FL, USA, pp. 343-351.

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**RECENT UNIVERSITY SERVICE**

**Department of Geography, University at Buffalo**

2016-present	Chair
2014	Co-Director of Undergraduate Studies, Environmental Geosciences Program (Fall only)
2014-16	Executive Committee (elected)
2013-16	Tenure and Promotion Committee (appointed)

**College of Arts and Sciences, University at Buffalo**

2018	Search Committee, Associate Dean for Administration/COO, College of Arts and Sciences (appointed)
2017	Search Committee, Director of the Interdisciplinary Degree Program (appointed)
2014-present	Member, Advisory Committee of the National Center for Geographic Information and Analysis (invited)

**University at Buffalo**

2017	Working Group Member, Advanced Graduate Certificate in the field of Sustainability (invited)
2017	<i>Ad Hoc</i> Committee Panelist for Excellence in Graduate Student Mentorship Award (invited)
2016-17	Search Committee, Freshwater Sciences Cluster Area, RENEW Institute
2016	<i>Ad Hoc</i> Committee Panelist for Excellence in Graduate Student Mentorship Award (invited)
2016	<i>Ad Hoc</i> Committee Panelist for submissions to Innovative Micro-Programs Accelerating Collaboration in Themes (IMPACT), Physical & Engineering Research Panel, Office of the Vice President for Research (appointed)
2015-present	Faculty Senate Budget Priorities Committee (appointed)
2013-present	Member, Advisory Council, Sustainability Academy (invited)

**The State University of New York, Albany**

2016	President's Designee, Chancellor's Advisory Committee, State University of New York (appointed by President)
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