

Curriculum Vitae

**Marieka Brouwer Burg, Ph.D.**

Department of Anthropology  
University of Vermont  
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Burlington, VT 05405  
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**ACADEMIC EMPLOYMENT:**

**University of Vermont (UVM): Burlington, Vermont**

Assistant Professor, Department of Anthropology: 01/2020-Present

Co-Director, Digital Anthropology Laboratory, Department of Anthropology: 01/2021-Present

**University of New Hampshire (UNH): Durham and Manchester, New Hampshire**

Senior Lecturer, Department of Anthropology: 01/2019-06/2019

Lecturer, Department of Anthropology: 01/2012-12/2018

**Middlesex Community College: Bedford, Massachusetts**

Adjunct Instructor, Departments of Behavioral and Social Sciences: 01/2013-12/2019

**Franklin Pierce University: Rindge, New Hampshire**

Adjunct Instructor, Department of Natural Sciences: 08/2011-12/2011

**EDUCATION:**

**Michigan State University (MSU): East Lansing, Michigan**

Ph.D. in Anthropology: 12/2011

Dissertation Title: *Modeling Mesolithic Hunter-Gatherer Land Use and Post-Glacial Landscape Dynamics in the Central Netherlands*

M.A. in Anthropology: 05/2008

**University of Wisconsin-Madison (UW): Madison, Wisconsin**

B.A. in Anthropology: Phi Beta Kappa 05/2005

B.A. in Art History: Phi Beta Kappa 05/2005

Certificate in Archaeology: 05/2005

Senior Thesis Title: *Summer Homes, Winter Homes, or Ethnic Abodes: Exploring Structural Variability at the Jonathan Creek Site*

**RESEARCH AND TEACHING FIELDS:**

Landscape and environmental archaeology; Human-landscape relationships; Hunter-gatherer archaeology and anthropology; GIS and geospatial applications in archaeology; Lithic analysis; XRF; Archaic period; Ancient Mesoamerica; European Mesolithic; Landscape and decision modeling; Database management; Archaeology in Popular Culture

**GRANTS AND FUNDING RECEIVED:**

Alphawood Foundation Chicago, Grant #124014501, Research Grant Co-PI, with Dr. Eleanor Harrison-Buck: Investigating Ancient Occupation and the Range of Human-Environment Interactions Across the Low-lying Coastal Zone of Northern Belize. 2024-2025 (\$75,000)

Alphawood Foundation Chicago, Grant #16016, Research Grant Co-PI, with Dr. Eleanor Harrison-Buck:  
Assessing the Origins and Long-Term Sustainability of Wetland Enhancements in the Lower Belize  
River Watershed. 2022-2023 (\$50,000)

National Science Foundation, Senior Archaeology Grant (PI): Collaborative Research: Archaic Adaptive  
Strategies in Northern Belize: Investigating Dynamic Models of Land Use and Mobility in and  
Around Crooked Tree Island. 2021-2024 (\$152,092)

UVM College of Arts and Sciences Faculty Research Support Award (FRSA) (PI): 2020 (\$4985)

UVM Office for the Vice President of Research (OVPR) EXPRESS Grant (PI): 2020 (\$2838)

UNH Center for Excellence and Innovation in Teaching and Learning (CEITL) Faculty Fellow: 2018-2019  
(\$1500)

UNH Open Educational Resource (OER) Ambassador: 2016-2017 (\$2000)

MSU Dissertation Completion Fellowship (PI): 2010 (\$20,000)

Fulbright Fellowship, Netherland-America Foundation (PI): 2009-2010 (\$15,000)

Phi Kappa Phi Society, Love of Learning Award (PI): 2008 (\$200)

MSU Department of Anthropology Graduate Student Travel Grant (PI): 2008, 2009, 2011 (\$2400)

MSU Graduate School Summer Support Fellowship (PI): (\$5000)

MSU Department of Anthropology, Graduate Fellowship (PI): 2006-2008 (\$8000)

MSU Graduate Office Fellowship Research Enhancement Award (PI): 2006 (\$2000)

## **PUBLICATIONS:**

### **Peer-reviewed journal articles:**

**Brouwer Burg, M.**, E. Harrison-Buck, and T. Tibbits

Under Revision Hypothesizing Exchange Mechanisms of Granite Ground Stone Tools. Compact section  
submitted to *Ancient Mesoamerica*, April 2024. Revisions submitted 2-15-25.

**Brouwer Burg, M.**, J. Spenard, and T. Tibbits

Under Revision Recent Advances in Granite Ground Stone Studies in the Eastern Maya Lowlands. Compact  
section submitted to *Ancient Mesoamerica*, April 2024. Revisions submitted 10-2-24.

Pope, L., A. M.J. Anacker, **M. Brouwer Burg**, L. Dion, R. R.B. Plouffe, L. A. Vivanco, D. Benson, H.  
Buckland Parker, and J. Garrett-Ostermiller

In Press Student Reaction to Choice-Based Assessment: Increased Engagement, Decreased Stress, and  
Enhanced Self-Efficacy. Accepted 2-22-2024. *Journal on Excellence in College Teaching*.

Harrison-Buck, E., S. Krause, **M. Brouwer Burg**, Mark Willis, Angelina Perrotti, and Katie Bailey  
2024 Late Archaic Large-Scale Fisheries in the Wetlands of the Pre-Columbian Maya Lowlands. *Science  
Advances* 10, eadq1444(2024). 22 November 2024. [doi:10.1126/sciadv.adq1444](https://doi.org/10.1126/sciadv.adq1444)

R. Horowitz and **M. Brouwer Burg**

2024 Lithics in the Maya Region: Exploring Gendered Trends in the Last Decade. *Latin American Antiquity*:  
1-16. [doi:10.1017/laq.2023.64](https://doi.org/10.1017/laq.2023.64)

**Brouwer Burg, M.** and E. Harrison-Buck

2024 Modeling Archaic Mobility and Land Use in North-Central Belize. *Journal of Anthropological Archaeology*  
74(101583):1-23. [doi.org/10.1016/j.jaa.2024.101583](https://doi.org/10.1016/j.jaa.2024.101583)

Tibbits, T., M. Peuramaki-Brown, **M. Brouwer Burg**, M. A. Tibbits, and E. Harrison-Buck.

2023 Using X-Ray Fluorescence to Examine Ancient Maya Granite Ground Stone in Belize. *Geoarchaeology*:  
1-18. [doi.org/10.1002/gea.21944](https://doi.org/10.1002/gea.21944)

**Brouwer Burg, M.**, F. Haverland, and M. Guidry

2022 Examining the Latest Portrayal of Archaeology on the Silver Screen: A Student-Driven Perspective on Netflix’s The Dig. *The SAA Archaeological Record* 1:36-42.

<https://mydigitalpublication.com/publication/?i=734721>

**Brouwer Burg, M.**, T. L. Tibbits, and E. Harrison-Buck

2021 Advances in Geochemical Sourcing of Granite Ground Stone: Ancient Maya Artifacts from the Middle Belize Valley. *Advances in Archaeological Practice*: 1-16. [doi.org/10.1017/aap.2021.26](https://doi.org/10.1017/aap.2021.26).

Howey, M. and **M. Brouwer Burg**

2021 Landscape Bundling of Ceremonial Earthworks: Incorporating Ethnohistoric and Contemporary Indigenous Ontologies to Revive Great Lakes Archaeological Legacy Datasets. *Journal of Anthropological Archaeology* 62(2021):1-13. [doi.org/10.1016/j.jaa.2021.101272](https://doi.org/10.1016/j.jaa.2021.101272).

**Brouwer Burg, M.** and M. Howey

2020 Unbinding Diversity Measures in Archaeology Using GIS.” *Journal of Computer Applications in Archaeology* 3(1), pp. 170-181: [doi.org/10.5334/jcaa.55](https://doi.org/10.5334/jcaa.55)

Howey, M. C. L., F. Sullivan, **M. Brouwer Burg**, and M. Palace

2020 Exploring the Untapped Potential of Geospatial Big Data for Cultural Feature Detection and Past Landscape Process Analysis. In *Journal of Field Archaeology*, special issue titled *Archaeological Vision in the Age of Big Data*, Vol 45: S27-S38. [doi.org/10.1080/00934690.2020.1713435](https://doi.org/10.1080/00934690.2020.1713435)

**Brouwer Burg, M.**

2017 It Must Be Right, GIS Told Me So! Questioning the Infallibility of GIS as a Methodological Tool. In *Archaeological GIS Today: Persistent Challenges, Pushing Old Boundaries, and Exploring New Horizons*, a special edition of *Journal of Archaeological Science*, M. C.L. Howey and Brouwer Burg, M. (eds), Vol. 84, pp. 115-120. August 2017. [doi.org/10.1016/j.jas.2017.05.010](https://doi.org/10.1016/j.jas.2017.05.010)

Howey, M. and **M. Brouwer Burg**

2017 Assessing the State of Archaeological GIS Research: Unbinding Analyses of Past Landscapes. In *Archaeological GIS Today: Persistent Challenges, Pushing Old Boundaries, and Exploring New Horizons*, a special edition of *Journal of Archaeological Science*, M. C.L. Howey and Brouwer Burg, M. (eds), Vol. 84, pp. 1-9. August 2017. [doi.org/10.1016/j.jas.2017.05.002](https://doi.org/10.1016/j.jas.2017.05.002)

**Brouwer Burg, M.**, A. Runggaldier, and E. Harrison-Buck

2016 The Afterlife of Earthen-Core Buildings: A Taphonomic Study of Threatened and Effaced Architecture in Central Belize. *Journal of Field Archaeology*, Vol. 41, pp. 1-20.

**Brouwer Burg, M.**

2013 Reconstructing “Total” Paleo-Landscapes for Archaeological Investigation: An Example from the Central Netherlands. *Journal of Archaeological Science*, Volume 40(5), May 2013, p. 2308-2320.

**Brouwer, M.**

2009 Going against the grain?: trends observed in Mesolithic and Neolithic flint assemblages from Norsminde in Denmark. *Antiquity Online* 83.

### Peer-reviewed chapters in edited volumes (external peer-review):

Harrison-Buck, E., **M. Brouwer Burg**, and S. Krause

Under review Living on the Edge: Fifty Years of Belize Wetland Archaeology. In *The Center and the Edge: How the Archaeology of Belize is Foundational for Understanding the Ancient Maya*, edited by Jaime J. Awe and Arlen F. Chase. University Press of Florida, Gainesville.

Harrison-Buck, E., M. Willis, C. Walker, S. Murata, and **M. Brouwer Burg**

- 2020 From Urban Core to Vacant Terrain: Defining the Heterotopia of Maya Monumental Landscapes at the Cross-roads of the Middle Belize Valley. In *Approaches to Monumental Landscapes of the Ancient Maya*, B. A. Houk, B. Arroyo, and T. G. Powis (eds), University of Florida Press: Gainesville. Pp: 85-108.

**Brouwer Burg, M.**

- 2016 GIS-Based Modeling of Archaeological Dynamics (GMAD): Weaknesses, Strengths, and the Utility of Sensitivity Analysis. In *Uncertainty and Sensitivity Analysis in Archaeological Computational Modeling*, Brouwer Burg, M., Peeters, J.H.M., and Lovis, W.A. (eds), Interdisciplinary Contributions to Archaeology, Springer: New York. Due out April 26, 2016. See website: <http://www.springer.com/us/book/9783319278315>.

Lovis, W. A. and **M. Brouwer**

- 2009 Summer Island Site (20DE4), Delta County. In *Geoarchaeology and Taphonomy of Lake Michigan Coastal Dunes: Dune Activation, Stabilization, Cycling and Archaeological Site Formation Processes*, Appendix C., by W. A. Lovis, A. F. Arbogast, and G. W. Monaghan, pp. 155-159. Michigan Department of Transportation, Michigan State University Press, East Lansing.

**Editorship of collected volumes:**

**Brouwer Burg, M., J. Spenard, and T. Tibbits (editors)**

Under revision Recent Advances in Granite Ground Stone Studies in the Eastern Maya Lowlands. *Compact section submitted to Ancient Mesoamerica*, May 10, 2024. Contributors include: Adam King (South Carolina Institute of Archaeology and Anthropology), Terry Powis (Kennesaw State University), Meaghan Peuramaki-Brown (Athabaska University), Shawn Morton (Northwestern Polytechnic), Eleanor Harrison-Buck (University of New Hampshire), Elizabeth Graham (University College London), and Joan Schneider (California State Parks). Revisions underway.

Howey, M. and **M. Brouwer Burg** (editors)

2017 *Archaeological GIS Today: Persistent Challenges, Pushing Old Boundaries, and Exploring New Horizons*. Special edition of *Journal of Archaeological Science*, Vol. 84, pp. 1-136. August 2017.

**Brouwer Burg, M., J.H.M. Peeters, and W. A. Lovis (editors)**

2016 *Uncertainty and Sensitivity Analysis in Archaeological Computational Modeling*, Interdisciplinary Contributions to Archaeology, Springer, New York. <http://www.springer.com/us/book/9783319278315>. Pp. 1-175.

**Editor-reviewed chapters in edited volumes:**

**Brouwer Burg, M., E. Harrison-Buck, and S. Krause**

Under review Sustainable Legacies of the Preceramic Archaic Maya: Resiliency Strategies for Environmental and Climate Change. *Research Reports in Belizean Archaeology* 19.

**Brouwer Burg, M.** and E. Harrison-Buck

2023 Raising the “BAAR” through improved method and theory: reinvigorating regional research on Archaic occupations in Northern Belize. *Research Reports in Belizean Archaeology* 18: 277-288.

**Brouwer Burg, M.**

2018 Paleoenvironmental Reconstruction. In *The Encyclopedia of Archaeological Sciences*, S. L. López Varela (Ed.). Wiley Online. First published 05 December 2018. [doi.org/10.1002/9781119188230.saseas0432](https://doi.org/10.1002/9781119188230.saseas0432)  
Harrison-Buck, E., **Brouwer Burg, M.**, Murata, S., Robinson, H., Kaeding, A., and Gantos, A.

2016 Rivers, Wetlands, Creeks, and Roads: Investigating Settlement Patterns in the Middle and Lower Reaches of the Belize Watershed. *Research Reports in Belizean Archaeology* 13:137-148.

**Brouwer Burg, M.**

2016 Examining the utility of model calibration and verification as a means of testing archaeological models. In *Multi-, inter- and transdisciplinary research in Landscape Archaeology, Proceedings of the Third Landscape Archaeology Conference* held in Rome, Italy, September 14<sup>th</sup>–17<sup>th</sup>, 2014. Published online by CLUE Research Institute for Culture, Cognition, History and Heritage and the Amsterdam Free University. <http://dx.doi.org/10.5463/lac.2014.58>.

**Brouwer Burg, M., E. Harrison-Buck, and A. Runggaldier**

2015 Highways, Byways, Circuits and Paths: Modeling Movement Among the Ancient Maya in the Central Belize Watershed. In *Research Reports in Belizean Archaeology*, Papers of the 2014 Belize Archaeology and Anthropology Symposium. Vol. 12, pp. 281-293. Institute of Archaeology, NICH, Belize.

Harrison-Buck, E., **M. Brouwer Burg**, M. Willis, C. Walker, S. Murata, B. Houk, A. Gantos, A. Runggaldier

2015 Drones, Mapping, and Excavations in the Middle Belize Valley: Research Investigations of the Belize River East Archaeology (BREA) Project. In *Research Reports in Belizean Archaeology*, Papers of the 2014 Belize Archaeology and Anthropology Symposium. Vol. 12, pp. 295-304. Institute of Archaeology, NICH, Belize.

**Brouwer Burg, M., A. Runggaldier, and E. Harrison-Buck.**

2014 At the Crossroads: Examining the Hats Kaab E-Group as a Node of Trade and Communication in the Eastern Belize Watershed. In *Research Reports in Belizean Archaeology*, Papers of the 2013 Belize Archaeology and Anthropology Symposium. Vol. 11, pp. 259-270. Institute of Archaeology, NICH, Belize.

Runggaldier, A., **M. Brouwer Burg**, and E. Harrison-Buck

2013 Hats Kaab: A Newly Discovered E-Group at the Closing of the 13<sup>th</sup> Baktun. In *Research Reports in Belizean Archaeology*, Papers of the 2012 Belize Archaeology Symposium. Vol. 10, pp. 65-75. Institute of Archaeology, NICH, Belize.

**Brouwer Burg, M.**

2012 Hunter-Gatherers in Dynamic Landscapes: Modeling Land Use Strategies in the Central River Valley of the Netherlands. In W. Bebermeier, R. Hebenstreit, E. Kaiser, and J. Krause (eds.). *Landscape Archaeology. Proceedings of the International Conference held in Berlin, 6<sup>th</sup>–8<sup>th</sup> June 2012*. In *eTopoi: Journal for Ancient Studies*, Special Volume 3 (2012), p. 1007-1037.

**Book reviews:**

**Brouwer Burg, M.**

2022 Review of *Maps for Time Travelers: How Archaeologists Use Technology to Bring Us Closer to the Past*, by Mark D. McCoy. *American Antiquity*: 1-2. <https://doi.org/10.1017/aaq.2022.76>

**Editorship of published reports:**

**Brouwer Burg, M.** and E. Harrison-Buck (editors)

In prep *Investigations of the Belize River East Archaeology Project: A Report of the 2024 Field Season*. Occasional Paper, No. 13, Department of Anthropology, University of New Hampshire.

**Brouwer Burg, M.** and E. Harrison-Buck (editors)

2024 *Investigations of the Belize River East Archaeology Project: A Report of the 2023 Field Season*. Occasional Paper, No. 12, Department of Anthropology, University of New Hampshire.

**Brouwer Burg, M.** and E. Harrison-Buck (editors)

2023 *Investigations of the Belize River East Archaeology Project: A Report of the 2022 Field Season*. Occasional Paper, No. 11, Department of Anthropology, University of New Hampshire.

Harrison-Buck, E. and **M. Brouwer Burg** (editors)

2022 *Investigations of the Belize River East Archaeology Project: A Report of the 2020 Field Season*. Occasional Paper, No. 10, Department of Anthropology, University of New Hampshire.

### Chapters in published reports:

Harrison-Buck, E. and **M. Brouwer Burg**

2023 Introduction to the BREA 2022 Season: Investigations in the Lower Reaches of the Belize River Watershed. In *Investigations of the Belize River East Archaeology Project: A Report of the 2022 Field Season*, edited by M. Brouwer Burg and E. Harrison-Buck. Occasional paper, No. 11, Department of Anthropology, University of New Hampshire.

**Brouwer Burg, M.**, S. Murata, D. G. Buck, and E. Harrison-Buck

2023 Reconnaissance and Survey of Archaic Sites in and Around Crooked Tree Wildlife Sanctuary. In *Investigations of the Belize River East Archaeology Project: A Report of the 2022 Field Season*, edited by M. Brouwer Burg and E. Harrison-Buck. Occasional paper, No. 11, Department of Anthropology, University of New Hampshire.

**Brouwer Burg, M.**

2023 Systematic Shovel Testing and Excavations of the Preceramic Occupation at Crawford Bank in Crooked Tree (Operations 57, 58, 59, 61, 62). In *Investigations of the Belize River East Archaeology Project: A Report of the 2022 Field Season*, edited by M. Brouwer Burg and E. Harrison-Buck. Occasional paper, No. 11, Department of Anthropology, University of New Hampshire.

**Brouwer Burg, M.**

2023 Test Excavations at Casa Jacana, Crooked Tree Island (Operation 63). In *Investigations of the Belize River East Archaeology Project: A Report of the 2022 Field Season*, edited by M. Brouwer Burg and E. Harrison-Buck. Occasional paper, No. 11, Department of Anthropology, University of New Hampshire.

**Brouwer Burg, M.**

2023 Test Excavations at the Chert Production Area of Gloria Camp (Operation 64). In *Investigations of the Belize River East Archaeology Project: A Report of the 2022 Field Season*, edited by M. Brouwer Burg and E. Harrison-Buck. Occasional paper, No. 11, Department of Anthropology, University of New Hampshire.

**Brouwer Burg, M.** and E. Harrison-Buck

2023 Future Directions for BREA. In *Investigations of the Belize River East Archaeology Project: A Report of the 2022 Field Season*, edited by M. Brouwer Burg and E. Harrison-Buck. Occasional paper, No. 10, Department of Anthropology, University of New Hampshire.

Harrison-Buck, E. and **M. Brouwer Burg**

2022 Introduction to the BREA 2020 Season: Investigations in the Lower Reaches of the Belize River Watershed. In *Investigations of the Belize River East Archaeology Project: A Report of the 2022 Field Season*, edited by M. Brouwer Burg and E. Harrison-Buck. Occasional paper, No. 11, Department of Anthropology, University of New Hampshire.

**Brouwer Burg, M.**

2022 Hunter Gatherers in the Wetlands: Further Investigations at the Preceramic Occupation of Crawford Bank, Crooked Tree Island. In *Investigations of the Belize River East Archaeology Project: A Report of the 2020 Field Season*, edited by E. Harrison-Buck, pp. 45-69. Occasional paper, No. 10, Department of Anthropology, University of New Hampshire.

**Brouwer Burg, M.** and E. Harrison-Buck

2022 Future Directions for BREA. In *Investigations of the Belize River East Archaeology Project: A Report of the 2022 Field Season*, edited by M. Brouwer Burg and E. Harrison-Buck. Occasional paper, No. 10, Department of Anthropology, University of New Hampshire.

Runggaldier, A., L. B. Philips, and **M. Brouwer Burg**

2018 Lab Methodology for the Belize River East Archaeology Project. In *Investigations of the Belize River East Archaeology Project: A Report of the 2016-2017 Field Seasons*, edited by E. Harrison Buck, pp. 208-221. Occasional Paper, No. 10, Department of Anthropology, University of New Hampshire.

**Brouwer Burg, M.** and A. Runggaldier

2015 Basket Loads and Bundle Burials: Investigating the Western Structure (Structure 1) and Plaza of the Hats Kaab E-Group (Operations 21 and 22). In *Archaeology in the Middle Belize Valley: A Report of the 2014 Belize River East Archaeology Project*. Edited by E. Harrison Buck. Occasional Paper, No. 7, Department of Anthropology, University of New Hampshire: 132-161.

Runggaldier, A. and **M. Brouwer Burg**

2013 Further Investigations of the E-Group at Hats Kaab (Operations 7 and 9). In *Archaeology in the Middle Belize Valley: A Report of the 2012 Belize River East Archaeology Project*. Edited by E. Harrison Buck. Occasional Paper, No. 6, Department of Anthropology, University of New Hampshire: 64-97.

Garland, K. and **M. Brouwer Burg**

2013 An Analysis of Obsidian from Sites in the Middle Belize Valley. In *Archaeology in the Middle Belize Valley: A Report of the 2012 Belize River East Archaeology Project*. Edited by E. Harrison Buck. Occasional Paper, No. 6, Department of Anthropology, University of New Hampshire: 148-157.

Rautman, A. E. and **M. Brouwer**

2010 *The Kite Site Pithouse Village (LA-38448)*. Report on file at Michigan State University, East Lansing.

Rautman, A. E., M. A. Chamberlin, and **M. Brouwer**

2009 *The Role of Corporate Groups in the Development of Early Pueblos II: Preliminary Report of the 2008 Excavations at LA-9032, Frank's Ruin, Socorro County, New Mexico*. Michigan State University, East Lansing.

Rautman, A. E., J. Foss, M. A. Chamberlin, **M. Brouwer**, N. Burritt, C. Stawski, and C. Valvano.

2008 *The Role of Corporate Groups in the Development of Early Pueblos I: Preliminary Report of the 2007 Excavations at LA-9032, Frank's Ruin, Socorro County, New Mexico*. Michigan State University, East Lansing.

## **CONFERENCE PRESENTATIONS:**

### **Organized sessions:**

**Brouwer Burg, M.** and E. Hoag

2024 "Gender in Archaeology over the Past 30+ Years." Session to be held at 89<sup>th</sup> Annual Meeting of the Society for American Archaeology. Thirteen papers, three discussants, and twenty-two participants. New Orleans, April 17-21, 2024.

**Brouwer Burg, M.**, R. Donahue, and M. Raviele

2018 "Chasing Hunter-Gatherers and Early Farmers in the Great Lakes and Beyond – 45 Years of Research Dedicated to Understanding the Dynamics Between People, Environment, and Behavior: Papers in Honor of William A. Lovis." Session held at 83<sup>rd</sup> Annual Meeting of the Society for

American Archaeology. Washington, DC, April 11-15, 2018.

Howey, M. C. L. and **M. Brouwer Burg**

2016 “Methodological Tool or Paradigm Shifter? Assessing the Status of GIS in Archaeological Research.” Session held at 81<sup>st</sup> Annual Meeting of the Society for American Archaeology. Orlando, Florida, April 6-10, 2016.

Howey, M. C. L. and **M. Brouwer Burg**

2015 “Exploring Movement as Intimate Encounter in Past Landscapes.” Session held at the North American Theoretical Archaeology Group 2015 Conference. New York University, May 22-24, 2015.

**Brouwer Burg, M.**, J. H. M. Peeters, and W. A. Lovis.

2014 “Error, Sensitivity Analysis, and Uncertainty in Archaeological Computational Modeling.” Forum organized for the 79<sup>th</sup> Annual Meeting of the Society for American Archaeology (SAA). Austin, Texas. 4/23/14-4/27/14.

### Papers:

**Brouwer Burg, M.**, Harrison-Buck, E., and S. Krause

2024 “Sustainable Legacies of the Preceramic Archaic Maya: Resiliency Strategies for Environmental and Climatic Change.” Paper presented at the 19th Annual Belize Archaeology Symposium (BAS). San Ignacio, Belize. June 25-28, 2024.

Harrison-Buck, E., **M. Brouwer Burg**, and S. Krause

2024 “Living on the Edge: Fifty Years of Belize Wetland Archaeology.” Paper accepted for presentation at the 89<sup>th</sup> Annual Meeting for the Society for American Archaeology, New Orleans, LA. April 17-21, 2024.

**Brouwer Burg, M.** and R. Horowitz

2024 “Stones left unturned: The effect of gender imbalances in Mesoamerican lithic studies.” Paper accepted for presentation at the 89<sup>th</sup> Annual Meeting for the Society for American Archaeology, New Orleans, LA. April 17-21, 2024.

**Brouwer Burg, M.**, T. L. B. Tibbits, and E. Harrison-Buck

2023 “Like a Rolling Stone: Movement of Granite Ground Stone Tools in Belize.” Paper presented at the 3<sup>rd</sup> annual Kulcha Symposium, sponsored by the Heritage Education Network of Belize. Sep 7-8, 2023.

**Brouwer Burg, M.** and E. Harrison-Buck

2023 “Problematizing Past Human-Landscape Interactions in the Lower Belize River Watershed: An Interdisciplinary Approach.” Paper presented at the Fryxell Session in honor of Dr. Timothy P Beach. In *Abstracts of the 88<sup>th</sup> Annual Meeting of the Society for American Archaeology*, Portland, OR. March 30-April 4.

Tibbits, T. L. B., **M. Brouwer Burg**, and E. Harrison Buck

2023 “The Second Chapter: Further Analysis of Granite Ground Stone Tools from the Belize River East Archaeology Project, 2015-2022.” In *Abstracts of the 88<sup>th</sup> Annual Meeting of the Society for American Archaeology*. Portland, OR. March 30-April 4.

**Brouwer Burg, M.** and E. Harrison-Buck

2022 “Raising the “BAAR” through Improved Method and Theory: Reinvigorating Regional Research on Archaic Occupations in Northern Belize.” In *Abstracts of the 18<sup>th</sup> Annual Belize Archaeology Symposium (BAS)*. San Ignacio, Belize. June 29-July 1, 2022.

E. Harrison-Buck, M. Willis, S. Murata, and **M. Brouwer Burg**

2022 Revolutionizing Reconnaissance: Archaeological Survey and Mapping Using Drone-Equipped Lidar in the Lower Belize River Watershed. In *Abstracts of the 18<sup>th</sup> Annual Belize Archaeology Symposium (BAS)*. San Ignacio, Belize. June 29-July 1, 2022.

**Brouwer Burg, M.,** M. Peuramaki-Brown, and S. Morton

2021 “Away from ‘the Field’: Pivoting Archaeological Investigations during Pandemic Times.” Paper presented at the Canadian Archaeology Association 2021 Virtual Conference. May 5-9, 2021.

**Brouwer Burg, M.**

2021 “Modeling Preceramic Occupation around the Wetlands of the Low-lying Coastal Zone.” In *Abstracts of the 86<sup>th</sup> Annual Meeting of the Society for American Archaeology* (virtual) April 15-17, 2021.

**Brouwer Burg, M.**

~~2020 “Modeling Preceramic Occupation around the Wetlands of the Low-lying Coastal Zone.” Paper presented at the Society for American Archaeology 85<sup>th</sup> Annual Meetings. April 22–26, 2020, Austin, TX. Cancelled due to COVID-19.~~

**Brouwer Burg, M.**

2020 “Digging Our Past: Student-Led Excavation as Experiential Learning and Active Engagement with Campus History.” Paper presented at the Society for Historical Archaeology 2020 Conference on Historical and Underwater Archaeology. January 8–11, 2020, Boston, MA.

**Brouwer Burg, M.** and M. C. L. Howey

2019 “Unbinding diversity measures in archaeology using GIS.” In *Abstracts of the 84<sup>th</sup> Annual Meeting of the Society for American Archaeology*, Albuquerque, NM. 04/10/19–04/13/19.

**Brouwer Burg, M.**

2018 “Certainty about Uncertainty: Lessons Learned from Modeling Human Land Use and Decision Making.” In *Abstracts of the 83<sup>rd</sup> Annual Meeting of the Society for American Archaeology*, Washington, DC. 04/11/18–04/15/18.

**Brouwer Burg, M.**

2016 “It Must Be Right, GIS Told Me So: Questioning the Infallibility of GIS as a Methodological Tool.” In *Abstracts of the 81<sup>st</sup> Annual Meeting of the Society for American Archaeology*, Orlando, FL. 04/07/2016–04/10/2016.

**Brouwer Burg, M.**

2015 “Isolating the Individual: Present-day ontologies and past experiences of landscape and movement.” In *North American Theoretical Archaeology Group 2015 Conference*, New York, NY. 05/22–05/24/15.

**Brouwer Burg, M.,** E. Harrison-Buck, and A. Runggaldier

2015 “Preclassic Roots of Well-Trodden Routes in the Eastern Maya Lowlands of Belize.” In *Abstracts of the 80<sup>th</sup> Annual Meeting of the Society for American Archaeology*, San Francisco, CA. 04/16–04/21/15.

**Brouwer Burg, M.**

2014 “Examining the Utility of Sensitivity Analysis as a Means of Testing Archaeological Models.” In *Abstracts of the 3<sup>rd</sup> International Landscape Archaeology Conference*. Rome, Italy. September 17<sup>th</sup>-20<sup>th</sup>, 2014. <http://www.knir.it/en/category-evenementen/576-3d-international-landscape-archaeology-conference.html>.

**Brouwer Burg, M.,** E. Harrison-Buck, and A. Runggaldier

2014 “Highways, Byways, Circuits, and Paths: Modeling Movement Among the Ancient Maya in the Central Belize Watershed.” In *Abstracts of the 12<sup>th</sup> Annual Belize Archaeology and Anthropology Symposium (BAAS)*. San Ignacio, Belize.

**Brouwer Burg, M.,** E. Harrison-Buck, and A. Runggaldier

2013 “At the Crossroads: Examining the Hats Kaab E-Group as a Node of Trade and Communication in

the Eastern Belize Watershed.” In *Abstracts of the 11<sup>th</sup> Annual Belize Archaeology and Anthropology Symposium (BAAS)*. San Ignacio, Belize.

Runggaldier, A., **M. Brouwer Burg**, S. Murata, and E. Harrison-Buck

2012 “Hats Kaab: A Newly Discovered E-Group at the Closing of the 13<sup>th</sup> Baktun.” In *Abstracts of the 10<sup>th</sup> Annual Belize Archaeology and Anthropology Symposium (BAAS)*. San Ignacio, Belize. 06/26/12-06/29/12.

**Brouwer Burg, M.**, and H. J. T. Weerts

2012 “Hunter-Gatherers in Dynamic Landscapes: Modeling Land Use Strategies in the Central River Valley of the Netherlands.” In *Abstracts of the 2<sup>nd</sup> International Landscape Archaeology Conference*. Berlin, Germany. 06/06/12-06/09/12.

**Brouwer Burg, M.**

2012 “Dynamic Landscapes, Dynamic Decision-Making: Hunter-Gatherer Land Use Strategies in the Central River Valley of the Netherlands.” In *Abstracts of the 77<sup>th</sup> Annual Meeting of the Society for American Archaeology*, Memphis, TN. 04/18/12-04/22/12.

**Brouwer, M.**

2010 “Using GIS to Visualize Ephemeral Hunter-Gatherer Landscapes in a Transforming Environment.” Ninth Biennial Open Forum for Graduate Students. (Un)Known Spaces: Perceived and Intangible Landscapes, Boston University, Boston. 02/19-02/21/10.

### Posters:

Norwood, W. T., S. Van Keuran, and **M. Brouwer Burg**

2024 A GIS-based viewshed analysis of ancient ballcourts in northern Arizona. Poster accepted for presentation at the 88<sup>th</sup> Annual Meeting for the Society for American Archaeology, New Orleans, LA. April 17-21, 2024.

**Brouwer Burg, M.**, Tawny L. B. Tibbits, and E. Harrison-Buck

2022 “A Stone by Any Other Name? Tracing the Economic and Social Significance of Ground Stone Tools.” In *Abstracts of the 86<sup>th</sup> Annual Meeting of the Society for American Archaeology*, Chicago, IL. March 29-April 1, 2022.

**Brouwer Burg, M.** and E. Harrison-Buck

2015 “Applications of Least Cost Path and Circuit Modeling Techniques for Assessing Ancient Spatial Behavior.” Poster presented at GIS Day, University of New Hampshire. 11/18/15.

**Brouwer Burg, M.** and E. Harrison-Buck

2013 “On the Track of Ancient Crossroads: Using GIS to Analyze Ancient Maya Landscapes.” Poster presented at GIS Day, University of New Hampshire. 11/20/13.

Pierik, H. J., **M. Brouwer**, and H. J. T. Weerts

2011 “Mesolithic landscape and vegetation development in the present day IJssel valley.” XVIII. INQUA (International Union for Quaternary Research), Bern, Switzerland. 07/20-07/27/11.

**Brouwer, M.**

2011 “Simulating Early Holocene Hunter-Gatherer Land Use Strategies in the Netherlands.” 76<sup>th</sup> Annual Meeting of the Society for American Archaeology, Sacramento, CA. 03/30-04/03/11.

**Brouwer, M.**

2010 “Uncovering Hunter-Gatherer Land Use Strategies through GIS and Simulation Modeling in the Early Holocene, the Netherlands.” Eighth International Conference on the Mesolithic in Europe, Santander, Spain. 09/13-09/17/10.

**Brouwer, M.**

2010 “Peculiar cultural expressions and problematic palimpsests: Using landscape evolution models and agent-based modeling to clarify early Holocene landscape use.” Landscape Archaeology Conference, LAC2010, Amsterdam, the Netherlands. 01/26-01/28/10.

**Brouwer, M.**

2009 “Patterns in Lithic Use During the Pithouse-to-Pueblo Transition, Central New Mexico.” 74<sup>th</sup> Meeting of the Society for American Archaeology, Atlanta, GA.

**Brouwer, M.**

2008 “Reduced Standardization in Neolithic Flint Technology: A Danish Assemblage Revisited.” Challenging Frontiers: Mobility, Transition, and Change. Oxford University.

**Brouwer, M.**

2008 “Are Neolithic Tools Regressive?: A reanalysis of a Danish flint assemblage.” 73<sup>rd</sup> Meeting of the Society for American Archaeology, Vancouver, British Columbia.

**Brouwer, M.** and S. Schroeder

2005 “Summer Homes, Winter Homes, or Priestly Abodes? Exploring Structural Variability at Jonathan Creek.” Undergraduate Research Symposium, University of Wisconsin-Madison.

**Conferences attended:**

- 2024 89<sup>th</sup> Annual Meeting, Society for American Archaeology, New Orleans, LA.
- 2023 88<sup>th</sup> Annual Meeting, Society for American Archaeology, Portland, OR.
- 2022 18<sup>th</sup> Annual Belize Archaeology Symposium (BAS), San Ignacio, Belize.
- 2022 87<sup>th</sup> Annual Meeting, Society for American Archaeology, Chicago, IL.
- 2021 American Anthropological Association Meeting, Baltimore, MD, Virtual.
- 2021 53<sup>rd</sup> Annual Meeting of the Canadian Archaeological Association, Virtual.
- 2021 86<sup>th</sup> Annual Meeting, Society for American Archaeology, Virtual.
- ~~2020 85<sup>th</sup> Annual Meeting, Society for American Archaeology, Austin, TX. Cancelled (COVID-19).~~
- 2019 84<sup>th</sup> Annual Meeting, Society for American Archaeology, Albuquerque, NM.
- 2018 83<sup>rd</sup> Annual Meeting, Society for American Archaeology, Washington, DC.
- 2016 USNH Faculty Instructional Technology Summer Institute (FITSI), Durham, NH.
- 2016 UNH Writing Intensive Faculty Retreat, Bretton Woods, NH.
- 2016 USNH Academic Technology Institute, Keene State College, NH.
- 2016 Northeast Archaeological Predictive Modeling Symposium. NH Department of Transportation. Concord, NH. March 11, 2016.
- 2016 81<sup>st</sup> Annual Meeting, Society for American Archaeology, Orlando, FL.
- 2015 North American Theoretical Archaeology Group 2015 Conference, New York University, NY.
- 2015 80<sup>th</sup> Annual Meeting, Society for American Archaeology, San Francisco, CA.
- 2014 3<sup>rd</sup> Landscape Archaeology Conference, LAC2014, Rome, Italy.
- 2014 12<sup>th</sup> Annual Belize Archaeology and Anthropology Symposium (BAAS), San Ignacio, Belize.
- 2014 79<sup>th</sup> Annual Meeting, Society for American Archaeology, Austin, TX.
- 2013 11<sup>th</sup> Annual Belize Archaeology and Anthropology Symposium (BAAS), San Ignacio, Belize.
- 2012 77<sup>th</sup> Annual Meeting, Society for American Archaeology, Memphis, TN.
- 2011 76<sup>th</sup> Annual Meeting, Society for American Archaeology, Sacramento, CA.
- 2010 8<sup>th</sup> International Conference on the Mesolithic in Europe (Meso 2010), Santander, Spain.
- 2010 9<sup>th</sup> Biennial Open Forum for Graduate Students, (Un)Known Spaces: Perceived and Intangible Landscapes, Boston University, Boston.
- 2010 1<sup>st</sup> Landscape Archaeology Conference, LAC2010, Amsterdam, the Netherlands.

- 2009 IJssel Valley Age and Genesis Symposium, Zutphen, the Netherlands.  
 2009 74<sup>th</sup> Annual Meeting, Society for American Archaeology, Atlanta, Georgia.  
 2008 73<sup>rd</sup> Annual Meeting, Society for American Archaeology, Vancouver, British Columbia, Canada.  
 2006 Midwest Archaeological Conference, Champaign-Urbana, Illinois.

**INVITED TALKS AND OTHER PRESENTATIONS:**

- M. Brouwer Burg, “Reconsidering the Hinterland: Piecing Together the 3000+ Year Chronology of the Mid-Lower Belize River Valley,” invited speaker for the James B. Petersen Annual Lecture, Vermont Archaeology Month. 09/23/2021.
- M. Brouwer Burg, “Professional Meetings: Why Undergraduates Should Attend,” guest lecture for *Anthropology Club*, University of Vermont. 04/01/2021.
- M. Brouwer Burg, “Laboratories in the Land: Modeling human adaptation, perception, negotiation, and meaning-making within past landscapes,” invited job talk, Department of Anthropology, University of Vermont. 01/25/2018.
- M. Brouwer Burg, “Where to Look? Archaeological Prospection,” guest lecture for *Prehistoric Archaeology* ANTH 024, Department of Anthropology, University of Vermont. 01/25/2018.
- M. Brouwer Burg, “Megaliths of Western Europe,” guest lecture for *Adventures in Archaeology* ANTH 412, Department of Anthropology, University of New Hampshire. 03/06/2017.
- M. Brouwer Burg, invited panelist for the FITSI Regroup meeting. Part of my role as an OER Ambassador. Sponsored by Academic Technology and the Center for Excellence and Innovation in Teaching and Learning. 01/10/2017.
- M. Brouwer Burg, invited panelist for the January Writing Center Workshop “Incorporating Attention to Documentation/Citation in Writing Assignments.” Part of my role as Core Writing Across the Curriculum (WAC) Faculty Network, University of New Hampshire. 01/05/2017.
- M. Brouwer Burg, “Archaeological Applications of GIS,” invited talk given at GIS Day 2017, University of New Hampshire, 11/16/2016.
- M. Brouwer Burg, “Early States in Mesoamerica,” guest lecture for *Adventures in Archaeology* ANTH 412, Department of Anthropology, University of New Hampshire. 11/18/2015.
- M. Brouwer Burg, “Using Mobile Technology to Enhance Learning,” invited speaker for the Large Lecturers Focus Group, meetings held bi-annually. University of New Hampshire. 10/30/2015.
- M. Brouwer Burg, “Ethnoarchaeology and Hunter-Gatherer Theory,” guest lecture for *Archaeological Method and Theory* ANTH 514, Department of Anthropology, University of New Hampshire. 02/03/2015.
- M. Brouwer, “Modeling hunter-gatherer land use in riverine contexts,” guest lecture for the workshop *Wetland Archaeologies—Land use, ecology, and approaches*, sponsored by the Groningen Institute for Archaeology, University of Groningen, the Netherlands. 11/09-11/10/2010.
- M. Brouwer, “Simulating hunter-gatherer land use strategies during the early Holocene, the Netherlands,” invited speaker for the Michigan Archaeological Society, Upper Grand Valley chapter, East Lansing, Michigan. 09/29/2010.
- M. Brouwer, “Reconstructing Hunter-Gatherer Land Use in Dynamic River Landscapes of the Early Holocene, the Netherlands,” invited speaker for the Rijksdienst voor het Cultureel Erfgoed (Dutch Cultural Heritage Agency), Amersfoort, the Netherlands. 05/11/2010.
- M. Brouwer, “And they cloaked it with stone: Refurbishment/fortification of an adobe pueblo,” guest lecture for the Upper Grand Valley Chapter of the Michigan Archaeological Society, East Lansing. 11/19/2008.
- M. Brouwer, “Stonehenge,” invited speaker for *Kaleidoscope: A Day for Women*. Michigan State University

Alumni Association, East Lansing. 04/10/2008.

M. Brouwer, “The Technological World of Prehistoric Denmark on the Brink of Farming,” invited speaker for *Brown Bag Lunch*. Consortium for Archaeological Research, Michigan State University, East Lansing. 03/02/2008.

**HONORS AND AWARDS:**

Kroepsch-Maurice Excellence in Teaching Award, nominee, 2021-2022

UVM Humanities Center, Undergraduate Research Assistantship Award: 8–12/2021 (\$1300), granted to undergraduate student Fiona Haverland (supervisor: M. Brouwer Burg).

Sigma Xi, The Scientific Research Society, Full Member: 11/2012

MSU Moreau S. Maxwell Award, Department of Anthropology, Michigan State University, for outstanding graduate research contributions in anthropology: 2011 (\$400)

Gamma Theta Upsilon (GTU) International Honor Society in Geography, Michigan State University: 2009

William McCagg Memorial Graduate Student Paper, First Prize, Center for European and Russian Studies, Michigan State University: 2008

Phi Kappa Phi Honor Society, Michigan State University: 2008

Phi Beta Kappa Society, University of Wisconsin-Madison: 2005

UW Deans List (seven semesters): 2002-2005

**TEACHING EXPERIENCE:**

**ANTH 1020:** “Human-Landscape Interactions”: Liberal Arts Scholars Program, Spring 2024

**ANTH 024/1800:** “Prehistoric Archaeology”: UVM Department of Anthropology, Fall 2020-2024

**ANTH 105/2000:** “Introduction to the Major.” UVM Department of Anthropology, Spring 2022, 2024

**ANTH 136/2910:** “Neanderthals to Stonehenge: European Prehistory”: UVM Department of Anthropology, Spring 2020, Fall 2024

**ANTH 191/2994:** “Teaching Assistantship.” UVM Department of Anthropology, Fall 2020, Spring 2021, Fall 2021, Spring 2022, Fall 2022, Fall 2023, Spring 2024, Fall 2024

**ANTH 195:** “Archaeology in Popular Culture”: UVM Department of Anthropology, Spring 2021, Fall 2021, Spring 2022

**ANTH 195/2930:** “Hunters and Gatherers”: UVM Department of Anthropology, Spring 2020, Fall 2020, Fall 2023

**ANTH 195/GEOG 184/ANTH 2810:** “GIS for Social Sciences”/”Anthropological Applications of GIS”: UVM Departments of Anthropology and Geography, Spring 2021, 2022, 2024

**ANTH 205/3000:** “Advanced Proseminar in Anthropology”: UVM Department of Anthropology, Fall 2021-2024

**ANTH 411:** “Global Perspectives on the Human Condition: Introduction to Anthropology”: UNH Department of Anthropology, Spring 2012, Fall 2012, Spring 2013, Spring 2014, Summer 2015, Fall 2015, Summer 2016, Fall 2016, Spring 2017, Fall 2017, Spring 2018, Summer 2018, Fall 2018; UNH-Manchester Fall 2012, Spring 2013

**ANTH 412:** “Broken Pots and Buried Cities: Adventures in Archaeology”: UNH Department of Anthropology, Fall 2012, Fall 2014, J-Term 2017, J-Term 2018, Spring 2018, Fall 2018; UNH-Manchester Fall 2012, Spring 2013

**ANTH 501:** “World Archaeological Cultures: European Prehistory”: Fall 2013, Spring 2014, Fall 2014,

Spring 2015, Spring 2016

**ANTH 511:** “Core Concepts in Anthropology”: UNH Department of Anthropology, Fall 2015, Fall 2016, Fall 2017

**ANTH 514:** “Archaeological Method and Theory”: UNH Department of Anthropology, Spring 2016, 2017, 2019

**ANTH 601:** Topics in Popular Culture: Archaeology”: UNH Department of Anthropology, Fall 2013, Spring 2015, Spring 2016

**ANT 101:** “Introduction to Cultural Anthropology”: Department of Behavioral Sciences, Middlesex Community College, Spring 2013, Summer 2013, Fall 2013 (online henceforth), Spring 2014, Summer 2014, Fall 2014, Spring 2015, Summer 2015, Fall 2015, Spring 2016, Summer 2016, Fall 2016, Spring 2017, Summer 2017, Fall 2017, Spring 2018, Summer 2018, Fall 2018, Spring 2019, Summer 2019, Fall 2019

**GGY 120:** “Introduction to Geography”: Department of Social Sciences, Middlesex Community College, Fall 2013

**UMST 401:** “First Year Experience Seminar”: University of New Hampshire-Manchester, Fall 2013

**IC110:** “Integrated Science Global Change: Oceans”: Franklin Pierce University, Fall 2011

**ANP 203:** “Introduction to Archaeology”: MSU Department of Anthropology, Spring 2008

**Teaching Assistant for ANP 203:** “Introduction to Archaeology”: MSU Department of Anthropology (Instructor Lynne Goldstein and Kenneth Lewis) Spring 2008, Fall 2006

**Teaching Assistant for ISS 310:** “People and the Environment”: MSU Integrative Studies in Social Science (Instructor John Norder). Fall 2007

**Teaching Assistant for ANP 210:** “Biocultural Evolution”: MSU Department of Anthropology (Instructor Kenneth Lewis). Spring 2007

## **RESEARCH EXPERIENCE:**

### **Co-Director**

2021-present

Belize River East Archaeology (BREA) Project, led in conjunction with Dr. Eleanor Harrison-Buck (Director) of the University of New Hampshire (UNH). Conceptualize new research initiatives; write grant and permit proposals; administer Alphawood and NSF grant funds; develop and disseminate archaeological field school materials; organize and manage staffing and student logistics; oversee curriculum development and deployment; supervise field and laboratory research; meet with Institute of Archaeology staff, local officials and village leaders; collaborate with Crooked Tree Museum and Cultural Heritage Center; publish findings in interim reports and other journals; present at Belize Archaeology Symposium and other venues.

### **Senior Research Associate**

2011-2021

Belize River East Archaeology (BREA) Project, led by Dr. Eleanor Harrison-Buck of the University of New Hampshire (UNH). Oversee lab organization and day-to-day management of incoming artifacts, as well as long-term curation, analysis, and administration of lab. Responsible for bi-weekly lectures on lab/curation techniques during archaeological field schools, archaeological mapping and GIS, lithic analysis, and environmental modeling. Supervise undergraduate students while in the field and on excursions.

### **Research on Hunter-Gatherer Land Use in Dynamic Landscapes and Changing Climates**

2007-Present

Studying how hunter-gatherers make procurement, settlement, and movement decisions in the face of dynamic landscape change using geospatial analysis and paleoenvironmental modeling

**Training in Landscape and Environmental Modeling**

04/2010-05/2010

One month training in paleo landscape and environmental reconstruction within the Rhine-Meuse delta and tributaries with Drs. Kim Cohen, Department of Physical Geography, Utrecht University. Software used: ArcGIS, PCRaster.

**Dissertation Field Research**

08/2009-05/2010

Analyzed Mesolithic artifacts from the Rhine-Meuse and IJssel river valleys, the Netherlands. Funding and support from the Fulbright Foundation, and the Archaeological Services of Deventer and Zutphen.

**Dissertation Pilot Study on the Dutch Mesolithic**

08/2008-10/2008

Six weeks spent analyzing Mesolithic artifacts from the IJssel River basin, the Netherlands. Desk and supplies provided by the National Service for Archaeology, Cultural Landscapes, and Built Heritage, Amersfoort, the Netherlands. Joint research conducted with Dr. J.H.M. Peeters (University of Groningen). Additional consultation with drs. B. Vermuelen, city archaeologist of Deventer and Dr. H. Weerts, physical geographer at the RACM.

**Project Assistant and Crew Chief**

2008

MSU and James Madison University Archaeological Field School at Frank's Ruin, Salinas Valley, New Mexico. Led students in field excavation techniques. General teaching and project assistance responsibilities. Project investigator: Dr. A. E. Rautman. 05/08-07/08 (six weeks).

**Pre-dissertation Pilot Research on the Dutch Mesolithic**

2007

Three weeks spent researching and collecting literature at the National Service for Archaeology, Cultural Landscapes, and Built Heritage (RACM), Amersfoort, the Netherlands. Joint research conducted primarily with Dr. J.H.M. Peeters (RACM), and also with Drs. E. Rensink and J. Deeben (RACM). Additional consultation with Dr. E. Stouthammer, geomorphologist at Utrecht University. Day spent visiting the 2007 Swifterbant Excavation, Flevoland, the Netherlands, made possible by Dr. D.C.M. Raemaekers (University of Groningen). Room and board paid for by the RACM. 07/07-08/07 (four weeks).

**Project Assistant and Crew Chief**

2007

Michigan State University Archaeological Field School at Frank's Ruin, Salinas Valley, New Mexico. Led a crew of three students in field excavation techniques. General teaching and project assistance responsibilities. Project investigator: Dr. A. E. Rautman. 05/07-07/07 (six weeks).

**Swifterbant Site Excavation Visiting Assistant**

2006

Project assistant, the Swifterbant Site in Flevoland, the Netherlands. Excavation and coring project undertaken. Room and board paid for by the Groningen Institute of Archaeology, University of Groningen. Supervisor: Dr. D.C.M. Raemaekers. 06/06-07/06. (four weeks)

**Crew Chief and Archaeological Illustrator**

2006

University of New Brunswick Archaeological Field School in Belize, Programme for Belize Archaeological Project, Orange Walk Town, Belize. Led students in field excavation techniques, surveying and mapping of archaeological sites, and archaeological illustration. Held general supervisory duties in camp, during non-field hours. Supervisors: Dr. G. Aylesworth and Dr. B. Houk. 05/06-06/06 (five weeks).

**Maax Na Archaeology Project**

2004

Field school student, Programme for Belize Archaeological Project, Orange Walk Town, Belize. In association with Bowdoin College, Brunswick, Maine and Howard University, Washington, D.C. Supported by the New England Archaeological Institute. Learned basic field methods, lithic and ceramic illustration, reconstructive aerial drawings. Supervisors: Dr. E. King and Dr. L. Shaw. 05/04-07/04 (five weeks).

**PROFESSIONAL EXPERIENCE:**

**GIS Specialist, Archaeological Illustrator, Project Photographer**

2011-present

Belize River East Archaeology (BREA) Project. Oversee routine GIS and database management, as well as special geospatial project development. Artifact illustrations and building/site reconstructions done by hand and digitized using Adobe Creative Suite Software. Photographs also corrected and prepared for publication (August 2011-present).

***American Antiquity* Editorial Assistant**

2010

Copy-editing in-press submissions to the journal; editor/supervisor: Dr. Alison E. Rautman. 06/10-09/10 (four months).

**Research Internship**

2010

Nine months spent researching Mesolithic land use strategies at the Cultural Heritage Agency, Amersfoort, the Netherlands. Funding provided. Research included computer modeling, and work with archives and artifact repositories. 09/09-05/10.

**Assistant Lab Director**

2008-2009

Frank's Ruin Archaeology Lab, Michigan State University. Oversaw curation and analysis of ancestral Puebloan remains from two, five-week field seasons. Undertook lithic analysis and supervised undergraduate ceramic analyses. Prepared carbon samples for dating and wrote up lab reports. (August 2008-May 2009).

**Collections Research Assistant**

2006

The Michigan State University Museum, Michigan State University, East Lansing. Preparation of exhibitions, condition reporting, cataloguing and accessioning of new artifacts. Spring semester. Supervisors: L. Swanson and W. A. Lovis. Spring 2006 (five months).

**Dune Activation and Cycling Research Project**

2005

Research assistant, ISTEPA Project. Supported by the Michigan Department of Transportation. In affiliation with the Departments of Anthropology and Geography, Michigan State University, East

Lansing, and the Glenn A. Black Laboratory of Archaeology, Indiana University, Bloomington. Data compilation, data entry on dune-based archaeological sites in the circum-Lake Michigan basin, radiocarbon date calibration using CALIB 5.0.2. Supervisors: Dr. W. A. Lovis, Dr. G. W. Monaghan, and Dr. A. F. Arbogast. 09/05-12/05.

**Jonathan Creek Site Project**

2003-2005

Lab assistant, Wisconsin Archaeology Laboratory, Department of Anthropology, University of Wisconsin-Madison. Ceramic analysis undertaken on assemblage from the site of Jonathan Creek, Kentucky. Supervisor: Dr. S. Schroeder. 08/03-05/05 (14 months).

**Cartographer**

2001-2005

University of Wisconsin Cartographic Laboratory, Department of Geography, University of Wisconsin-Madison. Created maps and figures for a variety of publications, including university as well as state and federal government publications. Extensive use of both Adobe Illustrator and Photoshop, scanning, mapping, charting, illustrating. Collaborative work with customers in order to produce a desirable product. Supervisors: O. Brouwer and R. Worthington. Fall 2001-Spring 2005.

**ADVISING, SUPERVISING, AND MENTORING:**

Honors Thesis Advisor for Hal Nalamliang (Anthropology): Spring 2024-Spring 2025

Honors Thesis Advisor for Madison Brown (Anthropology and Business): Fall 2022-Spring 2023

Honor Thesis Committee Member for Fiona Haverland (Anthropology and Spanish): Fall 2022-Spring 2023

Honors Thesis Chair Member of Irene Choi (Anthropology and Music): Spring 2023

ANTH 2999 TA Supervisor for Eden Ambrovich, Ben Feron, Rebecca Harder, Caroline Hess, Alison Nicholls, and Livingston Ottman (ANTH 1800 Prehistoric Archaeology): Fall 2023, and Allison Bower (ANTH 2930 Hunters and Gatherers): Fall 2023

ANTH 191 TA Supervisor for Majd Abdelghani, Eden Ambrovich, Reilly Brown, Ben Feron, Rebecca Harder, Caroline Hess, and Grey Rindali (ANTH 024 Prehistoric Archaeology): Fall 2022

ANTH 191 TA Supervisor for Kaitlin Gabbeitt and Mary Diestel (ANTH 105 Introduction to the Major): Spring 2022

ANTH 191 TA Supervisor for Madison Brown, Fiona Haverland, and Madeline Spear (ANTH 195B Anthropological Applications of GIS): Spring 2022

ANTH 191 TA Supervisor for Jessica Fine and Natalia Stamatatos (ANTH 195A Archaeology in Popular Culture): Spring 2022

Senior Thesis Advisor for Kaitlin Gabbeitt (Social Work and Anthropology): Fall 2021-Spring 2022

Honors Thesis Advisor for Kaileigh Doyle (Anthropology): Spring 2021-Spring 2022

Honors Thesis Advisor for Diana Fenimore (History and Anthropology): Spring 2021-Spring 2022

ANTH 191 TA Supervisor for Majd Abdelghani, Reilly Brown, Cal Bunders, Kelly Garcia, Rebecca Harder, Katie Roche, and Sarah Seaberg (ANTH 024 Prehistoric Archaeology): Fall 2021

Summer CAS Internship Advisor for Fiona Haverland (Spanish and Anthropology): Summer 2021

ANTH 191 TA Supervisor for Marissa Guidry (ANTH 195A Archaeology in Popular Culture): Spring 2021

ANTH 192 Undergraduate Research for Kaitlin Gabbeitt (Social Work and Anthropology): Spring 2021

Honors Thesis Committee Chair for Skyler Pearse (Neuroscience): Spring 2021

ANTH 192 Supervisor for Fiona Haverland (Spanish and Anthropology): Spring 2021

Work Study Advisor for Marissa Guidry (Anthropology): Fall 2020-Spring 2021

Undergraduate Research Advisor: Kaileigh Doyle, Anthropology, Fall 2020

Work Study Advisor for Sarah Routhier (Environmental Studies): Fall 2020  
 ANTH 191 TA Supervisor for Kaitlin Gabbeitt, Abby Hanson, Amelia Coates, Ava Cardarelli, Cal Bunders,  
 Marissa Guidry, and Caroline D'Amico (ANTH 024 Prehistoric Archaeology): Fall 2020  
 Honors Thesis Committee Member for Nora Canellakis (Anthropology): Spring 2020  
 Work Study Advisor for Geena Zick (Natural Resources): Spring 2020

**DEPARTMENT, COLLEGE, AND UNIVERSITY SERVICE:**

**UVM Faculty Senate Representative**

Fall 2024

**UVM Henderson-Harris Post-Doctoral Researcher Search Committee Member**, Department of Anthropology, University of Vermont. Fall 2023-Spring 2024.

**UVM Biological Anthropology Assistant Professor Search Committee Member**, Department of Anthropology, University of Vermont. Fall 2022-Spring 2023.

**UVM Faculty Senate Research, Scholarship, and The Creative Arts Committee.**  
 2022-2024

**UVM Learning Community Book Discussion Leader**, first-year student opportunity.  
 Fall 2022-2023

**UVM Office of Fellowships, Opportunities, and Undergraduate Research (FOUR) Undergraduate Research Advisor Search Committee.**  
 Fall 2022

**UVM Consulting Archaeology Program Assistant Research Professor Search Committee Member**, Department of Anthropology, University of Vermont. Spring 2021.

**UVM Co-Director of the Department of Anthropology Digital Anthropology Lab.**  
 2021-Present

**UVM Student Anthropology Club Advisor**  
 2020-2024

**UVM Fulbright Review Board.** Review applications and interview prospective students.  
 2020-Present

**UVM Indigenous Peoples Working Group**  
 09/2020-2022

**UVM Department of Anthropology:** Faculty Working Group on Sexual Harm and Prevention  
 01/2021-Present

**UVM College of Arts and Sciences:** Anti-Racist Curriculum Committee  
 08/2020-Present

**UVM Department of Anthropology:** Faculty Working Group on Teaching Evaluations  
 Spring 2020

**UNH College of Liberal Arts:** Faculty Working Group on Teaching Evaluations  
 Spring 2020

**UNH Fulbright Interview Committee.** Invited to participate on the interview panel, three potential Fulbright recipients interviewed. 2015-2018.

**UNH Administrative Assistant Search Committee** in the Department of Anthropology, University of New Hampshire. Reviewed applicants and held interviews over the course of two stages of hiring. August 2018-October 2018.

**UNH CEITL Faculty Fellow.** Sponsored by Center for Excellence and Innovation in Teaching and Learning (CEITL).

**UNH Bioarchaeology Lecturer Search Committee,** Department of Anthropology, University of New Hampshire. Reviewed applicants and held interviews over the course of two stages of hiring. February 2018-April 2018.

**UNH Open Archaeology and Anthropology Day 2018,** organized with Prof. Meghan Howey and support from the UNH Department of Anthropology and the New Hampshire Archaeological Association. Hands-on experiential learning workshop focused on experimental archaeology procedures, including flint knapping, atlatl throwing, simple ceramic techniques, ancient foods, and coordination of the Anthropology Club to oversee mock digs. Roughly 75 attendees, both UNH students and the public. Held in Huddleston Hall G16, April 20, 2018.

**UNH Open Archaeology and Anthropology Day 2017.** 04/01/2017.

**UNH Teaching Evaluation Study Committee.** Sub-committee of the Faculty Senate (chair Christopher Bauer, Chemistry) charged with compiling best practices for current teaching evaluation on campus, and recommending suggestions for improving the status quo. Monthly meetings held during Fall 2016, and weekly meetings during Spring 2017.

**UNH Open Archaeology Day 2016.** Roughly 150 students in attendance. 04/22/2015.

**UNH Communications Manager** for the Lecturer Faculty Council, oversees university governance surrounding lecturers and advisory body to the President of UNH. As communications manager, send email communications on a regular basis. Also serve as LFC's representative to the Faculty Senate and attend bi-monthly meetings. Fall 2015–Spring 2017.

**UNH Hamel Traveling Fellowship Selection Committee.** Reviewed and evaluated 20 submissions and worked with panel of faculty to select one student recipient. 03/25/2015.

**UNH Open Archaeology Day 2015.** Roughly 75 students in attendance. 04/24/2015.  
<http://cola.unh.edu/article/2015/04/open-archaeology-day>.

**UNH Open Archaeology Day 2014.** Roughly 75 students in attendance; spread in *The New Hampshire* campus newspaper (click here: [http://www.tnhonline.com/news/april-brings-archeology-to-unh-1.3162087#.U2fe06X\\_THM](http://www.tnhonline.com/news/april-brings-archeology-to-unh-1.3162087#.U2fe06X_THM)). Held in Huddleston Hall G16, 4/17/2014.

### **EXTERNAL SERVICE:**

**Archaeology Workshop** for the Proctor Academy, Andover, NH. Organized lectures and activities that aligned with high school curriculum for 12 students and 2 instructors. Held in the Department of Anthropology, University of Vermont. 12/2/2023.

**Mock Excavation** at Mast Way Elementary School, Lee, NH. Conducted hands-on outreach workshop with 18 third grade students. Co-led with Prof. Meghan Howey. 11/9/2018.

**New Hampshire Humanities Collaborative Summer Academy.** Great Bay Community College (GBCC), Portsmouth, New Hampshire. 05/30/20218–05/31/2018.

**Mock Excavation Day** at Oyster River Middle School, Durham, NH. conducted hands-on outreach workshop with 90 sixth grade students, developed curriculum in conjunction with Diane Tregua (Social Studies) and her intern, Douglas O'Hearn. Co-led with Anthropology Club students. 12/02/2016.

**Social Sciences Summit** attendee, convened by Associate Dean Rhiel to discuss connections and pathways from local community colleges and UNH. Friday, 10/28/2016, McConnell Hall, Room 230.

**Mock Excavation Day** at Oyster River Middle School. Conducting hands-on outreach workshop with 90 sixth grade students, developed curriculum in conjunction with Diane Tregea (Social Studies) and her intern, Katy Devine. Co-led with anthropology student Madeline Moison. To be held 12/04/2015.

**PROFESSIONAL SERVICE:**

Women in Archaeology Interest Group (WAIG) Chair, 2022-2025, Society for American Archaeology Annual Meeting Program Committee Member, 2022 Society for American Archaeology Meetings Fellowship Application Reviewer and UVM Committee Panelist, Fulbright Foundation Fellowship Application Reviewer, Graduate Women in Science (GWIS) National Fellowship Reviewer, *Ancient Mesoamerica* (Peer-reviewed journal, 2)  
 Reviewer, *Journal of Anthropological Archaeology* (Peer-reviewed journal, 2)  
 Reviewer, *Journal LAND* (Peer-reviewed journal,1)  
 Reviewer, *Journal of Archaeology Method and Theory* (Peer-reviewed journal, 1)  
 Reviewer, *Journal of Archaeological Science* (Peer-reviewed journal, 3)  
 Reviewer, *Journal of Computer Applications in Archaeology* (Peer-reviewed journal, 3)  
 Reviewer, *Latin American Antiquity* (Peer-reviewed journal, 1)  
 Communications Manager, Lecturer Faculty Council, UNH: 2015-2017  
 President, Upper Grand Valley Chapter, Michigan Archaeological Society (MAS): 2007-2009  
 Secretary, Association of Graduate Students in Anthropology (GSA), MSU : 2006-2008  
 Treasurer, Upper Grand Valley Chapter, Michigan Archaeological Society (MAS): 2006-2007

**PEDAGOGIC DEVELOPMENT AND PROFESSIONAL TRAINING:**

**SAA Online Seminar:** Reading Flake Scars to Understand Lithic Technologies and Past Human Behavior (Terry Ozbun, Meghan Johnson, Nick Hlatky, Kelley Prince Martinez). May 9, 2023.  
**SAA Online Seminar:** An Outline for Teaching Curation in the Classroom and in the Field (Tamira Brennan, PhD, RPA). December 1, 2021.  
**Register of Professional Archaeologist's (RPA):** An Introduction to Geoarchaeology: How Understanding Basic Soils, Sediments, and Landforms can make you a Better Archaeologist (Teresa Wriston, PhD, RPA). September 2021. 2 credit hours of continuing education.  
**UVM Center for Teaching and Learning (CTL):** Pivotal Pedagogy online conference  
 May 13-22, 2020  
**UVM Center for Teaching and Learning (CTL):** Choice Based Learning Workgroup (monthly meetings)  
 Fall 2020-Spring 2021  
**New Hampshire Humanities:** Summer Academy Participant, Great Bay Community College  
 May 30-31, 2018.  
**University Systems of New Hampshire (USNH) and UNH:** Academic Technology Institute, Granite State College  
 January 2017  
**USNH and UNH:** Academic Technology Institute, Keene State College  
 June 2016  
**USNH and UNH:** Open Education Resource Ambassador  
 2016-2017  
**UNH Center for Excellence and Innovation in Teaching and Learning (CEITL):** “Introduction to Experiential Learning Workshop.” Guest speakers Brent Bell, PhD (UNH), Daniel Langenthal, MA, MBA (Brandeis University), Alyssa Stalsberg Canelli, PhD (Brandeis University). 01/12/2017.

**UNH Center for Excellence and Innovation in Teaching and Learning (CEITL)** “Large Enrollment Courses: Energizing Student Learning through ACTION.” Guest speaker Carol Hurney, PhD (Colby College). 01/11/2017.

**UNH Center for Excellence and Innovation in Teaching and Learning (CEITL)** “Future Trends in Technology and Education.” FITSI 2016 Regroup workshop. University of New Hampshire. 01/10/2017.

**USNH and UNH:** Faculty Instructional Technology Summer Institute (FITSI). Presented by the University of New Hampshire, Durham, NH. June 14–16, 2016.

**UNH:** Writing Intensive Faculty Retreat. Mount Washington Hotel, Bretton Woods, NH. June 6–8, 2016

**USNH and UNH:** Academic Technology Institute Conference hosted by USNH and Keene State College. May 31–June 3, 2016.

**UNH Center for Excellence and Innovation in Teaching and Learning (CEITL)** “Methods of Engaging and Assessing Students in Large Enrollment Classes,” University of New Hampshire. 04/20/2016.

**UNH:** “Crisis? Concern? Threat? A Forum Outlining Faculty Response at UNH.” Presented by the UNH Police, UNH Counseling, and SHARPP, in conjunction with the Lecturer Faculty Council. University of New Hampshire. 02/26/2016.

**UNH:** “Navigating the FAR: A Workshop on Faculty Academic Reporting Software.” Organized and presented by Chrissy O’Keefe and the Lecturer Faculty Council. University of New Hampshire. 2/12/2016.

**UNH:** “Transforming Language Learning.” NERALLT (New England Regional Association for Language Learning Technology) Fall 2015 Conference, held at the University of New Hampshire. 10/22–10/23/15.

**UNH Center for Excellence and Innovation in Teaching and Learning (CEITL)** “Teaching and Learning with Multimedia,” University of New Hampshire. 04/24/2015.

**PROFESSIONAL AFFILIATIONS:**

- 2012-present Register of Professional Archaeologists
- 2005-present Society for American Archaeology
- 2005-present American Anthropological Association
- 2005-2012 Michigan Archaeological Society, Upper Grand Valley Chapter
- 2004-2005 Memorial Union Art Committee and Director of the *Student Art Show* exhibited in April 2005, Madison, Wisconsin
- 2004-2005 Art editor and graphic designer of *Illumination*, UW-Madison’s Undergraduate Journal of the Humanities, University of Wisconsin-Madison

**LANGUAGE PROFICIENCY:**

- Dutch (Limited Working Proficiency/General Professional Proficiency in archaeology\*)
- Spanish (Limited Working Proficiency\*)

\*For official definitions, please visit the website of the International Language Roundtable (ILR/FSD): <http://www.govtilr.org/skills/ILRscale2.htm>

**GEOGRAPHIC INFORMATION SYSTEMS, COMPUTER GRAPHIC, AND STATISCAL SOFTWARE:**

20 years' experience with ESRI™ ArcGIS products, Adobe Creative Suite Programs (e.g., Illustrator, Photoshop), PCRaster™ Environmental modeling software, SPSS™, Microsoft Access, Filemaker Pro and Paradox Database Management Systems, and CALIB 5.0.2 program for calibrating radiocarbon dates.