

# Dawn E. Beamer

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## **RESEARCH INTERESTS**

Paleoclimate reconstruction, paleoclimate archives (lacustrine, fluvial, terrestrial, wetland), sediment coring, climate systems, climate change, human/climate interaction, Geographic Imaging Systems (GIS), LiDAR, geoarchaeology, environmental archaeology, landscape archaeology, geochemistry, stable isotopes, earth surface processes, sedimentology, carbonate geology, glacial geomorphology, Cultural Resource Management (CRM), section 106 permitting, archaeological survey and excavation, New England geology and archaeology, Bahamas geology and archaeology.

## **EDUCATION**

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|---------------------------------|--|
| <b>2015-2020<br/>(Expected)</b> | <b>Ph.D. Candidate, Geology</b><br>Department of Geosciences, University of Connecticut, Storrs, CT<br>Dissertation Title: <i>Climate and Culture in the Bahamas during the Medieval Climate Optimum</i><br>Advisor: Dr. Lisa Park Boush |
| <b>2015-2018</b>                | <b>Graduate Certificate in Geographic Information Systems</b><br>Department of Geography, University of Connecticut, Storrs, CT  |
| <b>2010</b>                     | <b>Archaeology Field Certificate</b><br>New Hampshire State Conservation and Rescue Archaeology<br>Site: Jefferson VI Paleoindian Site, Jefferson, NH  |
| <b>2006</b>                     | <b>B.A. Anthropology</b><br>Rutgers the State University of New Jersey, New Brunswick, NJ  |

## **PROFESSIONAL EXPERIENCE**

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|---------------------|---|
| <b>2020-Present</b> | <b>Supervisor of Student Research Assistants</b><br>Lisa Park Boush Lab, Department of Geosciences, University of Connecticut, Storrs, CT |
| <b>2015-Present</b> | <b>Graduate Teaching Assistant</b><br>Department of Geosciences University of Connecticut, Storrs, CT                                     |

<b>2012, 2013, 2016, Present</b>	<b>Staff Archaeologist</b> Public Archaeology Survey Team, Storrs, CT
<b>2012-2016</b>	<b>Archaeological Technician</b> The Public Archaeology Lab, Pawtucket, RI
<b>2012</b>	<b>Archaeological Field Technician</b> Geoarchaeology Research Associates Yonkers, NY
<b>2011-2012</b>	<b>Archaeological Field Technician</b> Maser Consulting Trenton, NJ

### **TEACHING EXPERIENCE AT THE UNIVERSITY OF CONNECTICUT**

<b>2016-2018</b>	Earth Surface Processes (Laboratory)
<b>2015-2020</b>	Earth's Dynamic Environment (Laboratory)
<b>2017 and 2019</b>	Sedimentology and Stratigraphy (Laboratory)
<b>2016</b>	Geology of the Bahamas (Study Abroad Field Course)

### **GUEST LECTURES**

<b>2018</b>	<b>Earth Surface Processes</b> <i>"Fluvial Processes and Archaeological Sites"</i>
<b>2018</b>	<b>Earth's Dynamic Environment</b> <i>"Late Pleistocene Early Holocene Climate at the Templeton Archaeological Site in Washington, CT"</i>

### **RESEARCH AND FIELD EXPERIENCE**

<b>2015-Present</b>	<b>Ph.D. Research at University of Connecticut</b>
<i>Location:</i>	Bahamas, Connecticut
<i>Topic:</i>	Paleoclimate and archaeology
<i>Methods:</i>	Excavation units, shovel test pits, lake and terrestrial core collection and logging, geochemical prep, USDA soil import permit acquisition, soil column collection, stratigraphic description and illustration lake cores, analysis in R, GIS mapping and landscape analysis
<b>2011-2018</b>	<b>Cultural Resource Management</b>
<i>Locations:</i>	Numerous projects throughout New England and the Mid Atlantic
<i>Sites:</i>	Notably: Block Island and RI Hurricane Sandy Archaeological Survey, Block Island Windfarm archaeological survey, Norwalk Bridge Native American Fort site (featured on NPR), Nantucket Praying Indian village, Martha's Vineyard Light House relocation (featured by NOVA)
<i>Methods:</i>	Shovel test pits and excavation units, soil sampling, monitoring, GIS mapping

## TECHNICAL SKILLS

<b>Laboratory</b>	Portable X-ray Florescence, core logging, geochemical sample preparation, smear slide preparation, sediment core sample collection and documentation, visualizing sediment cores in Corelizer, Macropod
<b>Field</b>	Coring (lakes, rivers, wetlands), vibracoring; Livingston-Bolivia coring, push coring; shovel test pits and unit excavation and documentation
<b>Computing</b>	R programming, ArcGIS, Corelyzer, Adobe Creative Suite, Microsoft Office

## GRANTS

		\$1000
<b>2019</b>	Doctoral Student Travel Award	
		\$4,873
<b>2018</b>	National Geographic Early Career Grant	
<b>2017</b>	Geological Society of America Graduate Research Award	\$1,700
<b>2016</b>	University of Connecticut National Fellowship Incentive Program	\$1,000

## AWARDS

<b>2020</b>	Provost Letter of Teaching Excellence
<b>2017</b>	University of Connecticut Andrew J. Nalwalk Memorial Award for Graduate Achievement
<b>2017</b>	University of Connecticut Service Award

## ELECTED OFFICES

<b>2019-2020</b>	Vice President, Geosciences Graduate Group, University of Connecticut
<b>2018-2019</b>	Treasurer, Geosciences Graduate Group, University of Connecticut
<b>2016-2017</b>	President, Geosciences Graduate Group, University of Connecticut
<b>2015-2016</b>	Even Coordinator, Geosciences Graduate Group, University of Connecticut

## PUBLICATIONS AND PRESENTATIONS

**Beamer, D.E.**, Park Boush, L.E., Myrbo, A., Berman, M.J., Michelson, A., Gnivecki, P. (In preparation). *Climate and Culture in the Caribbean and Western Atlantic during the Medieval Climate Optimum.*

Park Boush, L.E., Myrbo, A., Buynevich, I.V., **Beamer, D.E.** (in preparation). *3.9ka Megaevent as a mechanism for Mid-Holocene carbonate barrier emplacement and coastal lake formation.*

Park Boush, L.E., Myrbo, A., Yakabowskas, D., Berman, M.J., Gnivecki, P., Brown, E., **Beamer, D.E.** (In preparation). *A 6000 year multi-proxy paleoclimate record from two lakes on Eleuthera, Bahamas.*

Park Boush, L.E., Myrbo, A., Michelson, A., **Beamer, D.E.** (In preparation). *Comparing Two Bahamian Inland Blue Holes.*

Waller, J.N., Jr., Leviellee, A., Forrest, D., Lüttge, S., Jerimiah, K., Kelly, J.M., **Beamer, D.E.** (2016). *Hurricane Sandy Disaster Relief Grant Phase I and Phase II Archaeological Survey, Rhode Island South Coast Charlestown, Narragansett, South Kingstown, and Westerly, Rhode Island, Volume I.* The Public Archaeology Lab. Submitted to Rhode Island Historical Preservation and Heritage Commission. PAL Report No. 2948.

#### *Conference abstracts*

**Beamer, D.E., Boush, L.P., Berman, M.J., Mybro, A., Michelson, A., Gnivecki, P.** (2019). *Climate and Culture in the Caribbean and Western Atlantic.* Abstracts for the 84th Society for American Archaeology Meeting, Albuquerque, NM.

**Beamer, D.E., Singer, Z., and Matarazzo T.** (2018). *Paleoclimate Reconstruction of the Templeton Archaeological Site.* The Geological Society of America Annual Meeting, Indianapolis, IN.

Singer, Z., Leach, P., Matarazzo T., Sgarlata C., and **Beamer, D.E.** (2018). *Beyond a Stone's Throw from the Lithic Source: New Investigations of the Paleoindian Component at the Templeton Site in Western Connecticut.* Abstracts for the 83rd Society for American Archaeology Meeting, Washington, DC.

**Beamer, D.E., and Park Boush, L. E.** (2017). *Anthropogenic Soil Inputs in a Carbonate System: Preliminary XRF Results from San Salvador Island, Bahamas.* University of Connecticut Department of Geosciences Geoscience Day.

**Beamer, D.E., and Waller, J.N., Jr.** (2016). *Glacial Geology and Prehistory of Southern New England: A Review.* Archaeology Day hosted by the Block Island Historical Society

**Beamer, D.E., and Park Boush, L. E.** (2016). *Effects of Climate Change on Prehistoric Migration Settlement and Subsistence Patterns in the Bahamian Archipelago: A Background Study.* University of Connecticut Department of Geosciences Geoscience Day.

**Beamer, D. E., and Waller, J. N., Jr.** (2014). *Coastal Dynamics and Site Formation: A Look at the Archaeological Deposits of Coastal RI after Hurricane Sandy.* 80<sup>th</sup> Annual Meeting, Society for American Archaeology, Orlando, FL.

#### **SERVICE**

**2020**                      **Presenter,** Connecticut Environmental Action Day, Groundwater Hazards

**2018-2020**              **Connecticut Rock Specimen Collection** for Connecticut Department of Energy & Environmental Protection

**2017-2020**              **Connecticut Garnet Trail Marking** for Connecticut Department of Energy & Environmental Protection

<b>2017</b>	<b>Event Organizer</b> , Earth Science Day Fair, University of Connecticut, Storrs, CT
<b>2017</b>	<b>Archaeology Field Technician</b> , Templeton Archaeological Site, Washington, CT
<b>2016</b>	<b>Delta Model Demonstration</b> , Earth Science Day Fair, University of Connecticut, Storrs, CT
<b>2016</b>	<b>Docent for Archaeological Exhibit</b> , Block Island Historical Society, Block Island, RI
<b>2013-2014</b>	<b>Archaeological Field /Lab Technician</b> , Mashantucket Pequot Museum with UConn, Block Island, RI
<b>2012</b>	<b>Archaeology Field Technician</b> , Gault School of Archaeology, Florence, TX
<b>2012</b>	<b>Specimen Photographer</b> , American Museum of Natural History, New York, NY
<b>2011</b>	<b>Archaeology Field Technician</b> , State Conservation and Rescue Archaeology Program, Jefferson, NH
<b>2011</b>	<b>Archaeology Lab Assistant</b> , University of Pennsylvania Anthropology and Archaeology Museum, Philadelphia, PA
<b>2010</b>	<b>Archaeology Field Technician</b> , Mississippi Valley Archaeology Center, MN and WI
<b>2009-2010</b>	<b>Archaeology Lab Assistant</b> , Hamline University Archaeology Lab, St. Paul, MN
<b>2007</b>	<b>Archaeology Field Technician</b> , US Forest Service, Passport in Time program, Roosevelt National Forest, CO

#### **PROFESSIONAL MEMBERSHIPS**

<b>2017-Present</b>	Soil Science Society of America (SSSA)
<b>2017-Present</b>	Crop Science Society of America (CSSA)
<b>2016-Present</b>	American Society of Agronomy (ASA)
<b>2016-Present</b>	Society for American Archaeology - Caribbean Archaeology Interest Group
<b>2016-Present</b>	Geological Society of America - Archaeological Geology Interest Group
<b>2016-Present</b>	Geological Society of Connecticut
<b>2016-Present</b>	Block Island Historical Society
<b>2015-Present</b>	Geological Society of America (GSA)
<b>2014-Present</b>	Society for American Archaeology Public Archaeology Interest Group
<b>2014-Present</b>	Society for American Archaeology (SAA)