Amberlee Nicoulin

University of Connecticut, Center for Integrative Sciences, 354 Mansfield Rd U-1045, Storrs, CT 06269

| Phone: (860) 204-1937 |Fax: (860) 486-1383| amberlee.nicoulin@uconn.edu

EDUCATION

**M.S. Geological Sciences May 2014 (Anticipated)**

Geology, University of Connecticut, Storrs, CT

**B.S. Environmental Earth Science May 2011**

Eastern Connecticut State University, Willimantic, CT

**High School Diploma June 2007**

Waterford High School, Waterford, CT

Relevant RESEARCH EXPERIENCE

River Terraces, Incision, and Post-Glacial Landscape Evolution

In Southern New England

University of Connecticut, Storrs, CT 2012-Ongoing

An analysis of fill and cut fill terraces adjacent to rivers in Southern New England.

I am combining a topographic analysis (using LiDAR) with fieldwork, trenching,

and Quaternary dating methods. Results will allow me to test hypotheses

concerning effects of glacio-isostatic rebound, the role of underlying bedrock and

knickpoints on incision, local and regional base level controls, and climate change.

Core Analysis from Providence Canyon state park of Southwest Georgia

Providence Canyon State Park, Georgia, US 2009-2010

Prepared an in-depth report of core samples mainly based on fieldwork of the

sedimentology and geomorphology of Southwest Georgia through use of

Ground Penetrating Radar, total station, and vibracore techniques.

**Preparation for Stable Isotope Analysis from the Wabash Reef in**

**North-Central Indiana**

**Eastern Connecticut State University, Willimantic, CT 2009**

Extracted samples out of Stromactactis to examine isotope analysis as well as

examined and interpreted the geochemical results.

EMPLOYMENT EXPERIENCE

Graduate Teaching Assistant August 2012-Ongoing

University of Connecticut, Center for Integrative Geosciences, Storrs, CT

Course: Earth Surface Processes Laboratory (August 2013- December 2013)

(Supervisor: Dr. Robert Thorson)

Duties/Responsibilities: Preparing and teaching laboratory activities for a course

that covers the processes responsible for the formation of the unconsolidated materials,

landforms, and soils which constitute the Earth's surface, as well as an introduction to

surface-water and groundwater hydrology, geological hazards and the effects of climatic change.

Course: Earth and Life Through Time Laboratory (August 2012- May 2013)

(Supervisor: Dr. Kristen Myshrall)

Duties/Responsibilities: Preparing and teaching laboratory activities for two

introductory geoscience courses per semester(approx. 48 students) as well as

providing additional exercises and study sessions. Significant teaching topics include

rock and mineral identification, plate tectonics, and landscape evolution (i.e glacial

cycles, groundwater, streams, etc)

**Undergraduate Teaching Assistant January – May 2011**

Eastern Connecticut State University, Department of Environmental Earth

Science, Willimantic, CT

Course: Structural Geology

(Supervisor: Dr. Allison Weinsteiger)

Duties/Responsibilities: Prepared and co-instructed a laboratory for an

upper-level Environmental Science course specifically for majors.

**Undergraduate Research Assistant June-July 2010**

Eastern Connecticut State University, Department of Environmental Earth

Science, Willimantic, CT

(Supervisors: James Hyatt and Peter Drzewiecki)

Duties/Responsibilities: Assisted in field work consisting of collection of

vibracore samples as well as using ground-penetrating radar and total station

techniques in southwest Georgia.

PROFESSIONAL PRESENTATIONS

Northeast/Southeast Regional Geological Society of America Conference March 2013

Location: Omni Mount Washington Hotel, Bretton Woods, New Hampshire

Title: River Terraces, Incision, and Post-Glacial Landscape Evolution in Southern

New England

Council of Public Liberal Arts Colleges Conference October 2010

Location: North Adams, MA

Title: Comparison of vibracore records of massive human-induced erosion

at Providence Canyon State Park in southwest Georgia

Arts and Science Conference, Eastern Connecticut State University April 2010

Location: Eastern Connecticut State University, Willimantic, CT

Title: Comparison of vibracore records of massive human-induced erosion

at Providence Canyon State Park in southwest Georgia

Northeast/Southeast Regional Geological Society of America Conference March 2010

Location: Sheraton Baltimore City Center Hotel, Baltimore, MD

Title: Comparison of vibracore records of massive human-induced erosion

at Providence Canyon State Park in southwest Georgia

PUBLICATIONS

Nicoulin, A., Ouimet, W., River Terraces, Incision, and Post-Glacial Landscape Evolution in Southern New England: Abstracts with Programs- Geological Society of America, vol. 45, no. 1, pp.40, March 2013

Nicoulin, A., Drzewiecki, P.A, Hyatt, J.A., [Comparison of vibracore records of massive human-induced erosion at Providence Canyon State Park in southwest Georgia](http://0-csaweb108v.csa.com.www.consuls.org/ids70/view_record.php?id=2&recnum=0&log=from_res&SID=r1hdv2ucfivs6fmi1jurodin85) : Abstracts with Programs - Geological Society of America, vol. 42, no. 1, pp.76, Mar 2010

Drzewiecki, P.A., Nicoulin, A., Sedimentological, diagenetic, and stable isotope investigation of the origin of stromatactis-bearing carbonate mud mounds (Silurian) from north-central Indiana: Abstracts with Programs - Geological Society of America, vol. 42, no. 1, pp.168, Feb 2010

GRANTS

On to the Future (OFT) Funding, Geological Society of America ($815.00) 2013

Dean’s Student Research Grant, ECSU ($470.00) 2010

CSU-AAUP Faculty Research Grant with Professors Peter Drzewiecki 2009  
and James Hyatt ($7614.00)

AWARDS AND HONORS

Outstanding Senior in Environmental Earth Science, Eastern Connecticut State University (2011)

Outstanding Junior in Environmental Earth Science, Eastern Connecticut State University (2010)

Outstanding Sophomore in Environmental Earth Science, Eastern Connecticut State University (2009)

Dean’s List, Eastern Connecticut State University (2007-2010)

PROFESSIONAL OUTREACH

Volunteer Judge at the O’Brien STEM Academy Science Fair in East Hartford, Connecticut (2013)

Presentation to the Public on Climate Science (2012)

Sustainable Earth Organization at ECSU (2009-2010)

CERTIFICATIONS

Hazardous Waste Operations and Emergency Response (HAZWOPER) 2011

40-hour (expired) and 10-hour (general)

REFERENCES: Available upon request