Casey Harris

csharris9@gmail.com

**Education**

M.S. Ecology May 2014

University of Georgia, Athens, GA

B.S. Botany Dec. 2009

University of Wisconsin, Madison, WI

**Experience**

Research Professional II May 2015–Present

Research Assistant May–Aug. 2012 and May 2013–2014

Vellidis Research Group, Crop and Soil Science Dept., University of Georgia, Tifton, GA

* Field sampling procedures, laboratory analyses (biosafety level 2), statistical analyses
* Watershed/landcover mapping and spatial analyses using GIS software
* On-farm wildlife capture and assessments and irrigation system sampling
* Thesis: *Salmonella enterica* and *Escherichia coli* in storm runoff and farm irrigation water sources

Lead Teaching Assistant Aug. 2012–April 2013

Teaching Assistant Aug. 2011–April 2012

Odum School of Ecology, University of Georgia, Athens, GA

* Ecology 1000, “The Ecological Basis of Environmental Issues”
* Instructed approx. four other graduate assistants and 45 undergraduate students per semester
* Prepared teaching materials, laboratory equipment, and field study arrangements

Terrestrial Monitoring Intern Feb. 2010-Feb. 2011

Southeast Coast Network Inventory and Monitoring Program, U.S. National Park Service, St. Marys, GA

* Conducted reptile/amphibian surveys and vegetation surveys in southeastern national parks
* Developed reference materials and used recording devices and software to analyze frog/bird call data

Riparian Vegetation Survey Technician May-Sep. 2009 and May-Aug. 2011

PACFISH/INFISH Biological Opinion Effectiveness Monitoring, U.S. Forest Service, St. Regis, MT

* Assessed stream habitats throughout the northwest, traveling extensively and working in small teams
* Identified, quantified, and collected specimens of plant species
* Assisted stream survey technicians with stream gradient and stream morphology measurements

Laboratory assistant Sep. 2007-April 2009

Givnish Lab, Dept. of Botany, University of Wisconsin, Madison, WI

* Assisted with studies of shade tolerance and water stress

National Science Foundation Research Experience for Undergraduates (REU) June-Aug. 2007

Great Lakes Water Institute, University of Wisconsin, Milwaukee, WI

* Algal community composition under different nutrient regimes and light conditions

**Awards**

Odum School of Ecology Small Grant 2013

ABC Research Laboratories Travel Grant, Center for Produce Safety Symposium 2013

University of Georgia Scholars of Excellence Full Assistantship Aug. 2011-April 2013

**Certifications**

Hazard Analysis and Critical Control Points (HACCP) Certified, UGA Food Science Dept. June 2013

**Presentations**

UNC Water Microbiology Conference (oral presentation)

“Salmonella in storm-driven surface runoff in vegetable farm landscapes in southern Georgia” May 2014

**Other skills and activities**

Very proficient with Microsoft Excel, QGIS and ArcGIS mapping and spatial analysis software

Georgia Young Scholars Program Mentor 2013, 2014