Amy Fields-Taylor

Education

Kennesaw State University (Kennesaw, GA)
Geographic Information Science Certification – August 2019
ArcGIS training and application of techniques. Focused GIS topics in geospatial water resource analysis and methodologies.

Kennesaw State University (Kennesaw, GA)
Bachelor of Science - Environmental Studies – May 2017
Major GPA: 3.8 Overall GPA: 3.2

Georgia Highlands College
Associates of Applied Science – May 2013
GPA: 4.0

Honors and Awards

President's Lists (2013, 2014)	Dean's Lists (2015, 2016, 2017)
Emerging Leaders Recipient	Pi Theta Kappa National Academic Honors Society

Education, Experience, and Employment

Atlanta Botanical Garden, April 2019-Present
Plant Records Specialist, 2021-Present
- Database management of species data and garden inventories
- Garden inventories & logistics management
- Utilization of BRAHMS Database, Plants of the World Online, ArcGIS Pro and Esri online apps
- Garden Map update management
- International Plant Exploration Program (IPEP) material accession management
- Responsible for implementation of proper data card and display label placement
- Management of Volunteers and Interns

Conservation Garden and Skyline Garden Horticulture Curator, 2019-2021
- Horticulture Management of Plant Collections
- Responsible for acquisition of appropriate plant material for plant collections
- Management of Volunteers

Resource Management & Service Learning Coordinator, August 2017 – July 2018
AmeriCorps Team Member, Georgia Department of Natural Resources and State Parks/Historic Sites
- Species Survey Techniques – Plant/Bird/Butterfly Survey Counts, Gopher Tortoise Burrow Camera Survey, Volunteer DNR Anabat survey.
- Prescribed Fire - Control Line and Weather Monitor for AmeriCorps Fire Assignments.
- Application of Herbicide for Invasive Privet and Sweetgum on State Parks.
- Service Learning Coordinator - Planning and logistics for AmeriCorps service learning opportunities.
- Research and Development for State Parks Resource Management Plans.

Belize Study Abroad – Marine Biology & Ecotourism, January - May 2017
- Study of Marine Biology and Ecology of coral reef and mangrove systems at Tobacco Caye.
- Study of Ecotourism and river ecology at the Monkey Bay Wildlife Sanctuary.
- Data collection and analysis of seagrass, coral, and marine wildlife ecological relationships.

Internship at The Chattahoochee Nature Center (CNC) Plant Nursery, June - November 2016
- Assistant to Botanist Henning von Schmeling with plant nursery operations for Georgia native and endangered species populations.
- Experimental research study conducted on "*Use of An Alternative, Natural Weed Suppressant: The Effects of Parboiled Rice Hulls (PBH) on Weed Growth.*"
- CNC representative, oversight of 75 volunteers for pollinator garden installation at the Georgia Welcome Center on I-85.
- Presentation of internship experience and research results.

Ecology, August - December 2016
- Study of relationships among living organisms and their environments at the individual, population, community, and ecosystem levels.
- Extensive hypotheses studies on ecological principals and scientific techniques.

U.S. Environmental Policy, August – December 2016
- Examination of the environmental policy process, and issues such as land use, climate change, endangered and marine species protection, energy policy and sustainability.
- Emphasis on the politics of making and implementing environmental policy and on the effectiveness of environmental protection.

Local and Global Sustainability, January - May 2015
- Service Learning Volunteer project with the Georgia Solar Energy Association.
- Assisted GSEA Board Member Russell Seifert in recreating membership benefits package and draft an online brochure.
- Attended GSEA board and member meetings highlighting the HB57 bill on financing of solar installation through power companies in Georgia.

Watershed Analysis and Assessment, May - June 2014
- Data collected in the field over the course of three weeks consisted of chemical, bacterial, and physical stream properties. Tree health, bank erosion, and pollution assessments.
- Report of findings can be viewed on http://watershed2014.wikispaces.com/
- Group data collection and analysis of the Sandy Springs, Georgia watershed. Presentation of findings to the citizens of Sandy Springs.

Introduction to Landforms, January – May 2014
- Extensive analysis of geomorphic processes of rocks, soils, river and coastal systems, glaciers, and karst topography.
- Emphasis on evolution and distribution of physical landforms, processes and resulting landscapes.
- Lab work using topographic maps and aerial photographs.

Publication

- Fields-Taylor, Amy. (2017). *"Use of An Alternative, Natural Weed Suppressant: The Effects of Parboiled Rice Hulls (PBH) on Weed Growth."*. Kennesaw Journal of Undergraduate Research. 2017. https://digitalcommons.kennesaw.edu/kjur/vol5/iss3/4/

Leadership

Representative, Chattahoochee Nature Center for the Pollinator Garden Project at the Ray Highway Welcome Center (Sept. 2016)
- Leader to 75 volunteers on the installation of 2500 plants for the Georgia I-85 Welcome Center Pollinator Garden.

Lead Volunteer, America Recycles Day - Georgia Highlands College (November 2012)
- Assistant event coordinator with collecting guest information and organizing student volunteers.
- Facilitate dispersal of America Recycles Day swag to public guests.

Skills and Professional Development

- Trained in Native Species Survey, Herbicide & Pesticide Applications of Invasive Species, Prescribed Wildland Fire-F2 Certification, ATV Operation, Chainsaw Operation.
- Certification in Bats in Bridges Identification by the Georgia DNR and GDOT.

ArcGIS Online	ArcGIS Pro	BRAHMS Database
Microsoft Office	Google Suite	Scientific Research
Attention to Detail	Leadership	Communication Skills
Effective Teamwork	Adaptability	Research and Development
Problem Solving	Multi-Tasking	Flexibility