

Meredith Green
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Education

Master of Science: Environmental Science
College of Charleston
3.6 GPA

July 2010
Charleston, SC

Bachelor of Science: Biology
University of Georgia
3.23 GPA

May 2008
Athens, GA

Employment History

Dewberry Consultants

GIS Analyst/Python Tool Developer

October 2013-Present

- Develop and maintain databases, reports and maps using SQL and VBA languages
- Prepare and update metadata
- Perform Hazus Risk Assessments for local communities
- Develop Flood Risk Databases and Tools using Model Builder and Python
- Develop FIS and FIRMs following FEMA Guidelines
- Develop Hazard Mitigation Plans for local communities
- Consult Communities on Mitigation Actions and Resiliency from natural disasters
- Assist Engineers with hydrologic and hydraulic analysis
- Floodplain mapping
- Site Due Diligence
- LiDAR and Terrain building
- Project Management
- Manage Budget and Project Schedules

Mitigation Management

Project Manager/GIS Analyst

April 2011-October 2013

- Use GIS to perform marketing research
- Property acquisition analysis
- Conduct environmental field investigations
- Prepare conceptual restoration plans and maps
- Coordinate and manage the collection of baseline and monitoring data for stream and wetland mitigation banks
- Provide technical write ups and analysis for banking instruments and monitoring reports
- Manage and maintain all GIS data, shapefiles, CAD files and geodatabases
- Create and edit data using ArcGIS 9.3.1 or higher
- Script writing using Python software
- Manage all stream and wetland mitigation banks
- Attend meetings with the USACE, GADNR, EPA, EPD and FWS.

Zoo Atlanta and Dunwoody Nature Center

GIS Volunteer**November 2010-April 2011**

- Gather data on trees and invasive plants using a Garmin 60CSX and creating maps for future planning and invasive species control.

NOAA Center for Coastal Environmental Health and Biomolecular Research**Graduate Student Intern****May 15 2009-July 2010**

- Thesis title “Using GIS to analyze trends in bottlenose dolphin (*Tursiops truncatus*) strandings near Charleston, SC 1994-2009: The roles of coastal development and human interaction”
- Using ArcGIS and ESRI Software to map data
- Using Spatial Analysis and Statistical Software to analyze data

Certificates and Skills

- CFM (Certified Floodplain Manager)
- GISP (GIS Professional)
- FEMA Hazus Certified
- Python
- Model Builder
- VBA
- jQuery
- SQL
- HTML
- JavaScript
- ArcGIS Geo Apps Developer
- ESRI ArcObjects
- ESRI ArcGIS Desktop 10x
- ESRI ArcGIS Pro

Accomplishments and Awards

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| • Graduate Summer Research Award | August 2008-May 2010 |
| • Commissioners of Public Works Scholarship | August 2008-May 2009 |
| • Research Award in Environmental Studies | August 2008-May 2009 |
| • Environmental Protection Agency Fellowship | August 2008-May 2009 |
| • SMART Grant Recipient | 2006, 2007 |
| • Hope Scholarship recipient | 2005, 2006, 2007, 2008 |

Professional Memberships

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| • ASFPM | May 2014-Present |
| • GA URISA | January 2012-Present |

Publications

- Green, M.A.; W.E. McFee; N. Levine. A GIS analysis of coastal development and trends in bottlenose dolphin strandings in Charleston, SC: implications for coastal marine spatial planning. NOAA Technical Memorandum NOS NCCOS 124. 2010.