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William L. Allen, III

Employment

- 1994 – Present **The Conservation Fund** Chapel Hill, NC
2005 – Present: Director of Strategic Conservation
1998 – Present: Instructor, Conservation Leadership Network
1995 – 2005: Geographic Information Services Coordinator
1994 – 1995: GIS and Southeast Regional Greenways Intern
- 1992 **World Wildlife Fund** Washington, DC
Research Assistant, *Choosing a Sustainable Future*, National Commission on the Environment, Stanford in Washington Program Internship

Education

- 1993 – 1995 **University of North Carolina** Chapel Hill, NC
Master of Regional Planning
- 1989 – 1993 **Stanford University** Stanford, CA
Bachelor of Arts. Urban Studies

Affiliations

Journal of Conservation Planning (Co-Editor, 2004 – Present), American Planning Association (1995-present), Society for Conservation GIS (Co-Founder, Board Co-President 1998-1999), UNC Center for Urban and Regional Studies (1994-1995)

Skills and Expertise

Green infrastructure planning, conservation plan author and editor, project management, GIS software use (ESRI ArcGIS), GIS system design, cartography, land suitability analysis, prioritization models, conservation planning and GIS curriculum design and course delivery, peer review coordination

Current Positions

Director of Strategic Conservation: Responsible for program and project design, management and delivery of customized conservation services for partners that advance The Conservation Fund's dual charter of environmental protection and economic development. The Fund's strategic conservation planning toolkit helps corporations, transportation agencies, military services, city and county elected officials, regional and watershed organizations, natural resource agencies and nonprofits design comprehensive and customized strategies that balance land protection and development. Strategic Conservation services utilize a green infrastructure planning approach that helps partners identify conservation priorities and goals, inventory assets, map green infrastructure networks, develop strategies for implementation, and build local capacity for partners to achieve

their conservation vision. The toolkit includes comprehensive green infrastructure plans, design of decision support frameworks for land use decision making, compatible land use partnerships, mitigation support, high quality cartography, and consultation to solve complex conservation problems and design effective strategies that foster partnerships, collaboration, and leverage of available resources.

Conservation Leadership Network Instructor: Responsible for curriculum design and course delivery of green infrastructure planning modules and GIS courses, including *Strategic Conservation Planning Using a Green Infrastructure Approach*, *GIS Tools for Strategic Conservation Planning*, and *GIS Design for Regional Conservation Planning*.

Selected Projects and Plans by The Conservation Fund

Ongoing. *Green Infrastructure Network Design to Identify Potential Mitigation Opportunities for the NiSource Multiple Species Habitat Conservation Plan (MSHCP)*, US Fish and Wildlife Service Section 6 Endangered Species Act grant program. (Collaboration with 13 States)

Ongoing. *Green Infrastructure Network Design to Identify Environmental Stewardship Opportunities for the US Highway 301 Waldorf, MD Transportation Improvements Project*, Maryland State Highway Administration (Collaboration with the US Fish and Wildlife Service and Maryland Department of Natural Resources).

Ongoing. *Strategic conservation guidance to support the Office of the Secretary of Defense and the Southeast Regional Partnership for Planning and Sustainability (SERPPAS)*

Ongoing. *Suitability Analysis and Green Infrastructure Network Design for Central Indiana*, Central Indiana Land Trust, Inc.

2008. *Lufkin-Angelina County, TX Green Infrastructure Plan*

2008. *Strategic Lands Inventory: Land Suitability Analysis for a 44-County Area in Eastern North Carolina*. Prepared with the NC Center for Geographic Information and Analysis.

2007. *Cecil County, MD Green Infrastructure Plan*

2007. *Where Our Four Towns Meet: The Prosper Valley of Barnard, Bridgewater, Pomfret, and Woodstock*. Prepared with the National Park Service

2006. *Baltimore County Land Preservation Model: Water Quality Assessment*

2006. *Kent County, DE Rapid Assessment of Green Infrastructure*

2006. *Green Infrastructure Technical Report for the Kona Community Development Plan, HI*

2006. *Spartanburg County Rapid Parks Assessment*

2005. *Fort A.P. Hill Bufferland Assessment*

2005. *Houston Parks Rapid Assessment for New Parkland Acquisition*

2005. *Lewis & Clark Lower Columbia River Atlas*

2004. *National Park Service Community Profiles* for the Appomattox Courthouse National Historic Park, C&O Canal National Historic Park, Catoctin Mountain Park, Fredericksburg-Spotsylvania National Historic Park, and the George Washington Birthplace National Historic Park.

2004. *Talbot County, MD Green Infrastructure Plan*

2004. *Pennsylvania Protected Land Inventory CD*

2004. *Houston Wilderness Rapid Open Space Assessment*

2004. Congaree Land Trust GIS system design and project tracking database

2002-2004. *Civil War Battlefield Rapid Assessments*. Prepared for the Civil War Preservation Trust.

2002. *Little Tennessee Watershed Conservation Prioritization Model*

2002. *Catoctin Mountain Explorer* GIS Application. Prepared with Panda Consulting.

2002. *Schuylkill River Watershed Atlas*

2002. *New River Watershed, NC: Conservation Prioritization Models* (with Resource Data, Inc.)

2001. *Kinston-Lenoir County Green Infrastructure Plan*, Prepared with the UNC Department of City and Regional Planning

2001. *Metro Atlanta Rapid Open Space Assessment* Prepared for the Arthur M. Blank Family Foundation

2001. *Neuse River, NC Watershed Atlas*

2001. *Conservation Planning and Decision Support Tools for the New River Watershed*

2000. *Lower James River Scoping Study*. Prepared for the Brunckhorst Foundation.

2000-2002. GIS system design for Duke Farms. Land Advisory Services.

1999. GIS system design for the Hershey Trust Company. Land Advisory Services.

1996-1998. *Midwin Prairie Forest Planning and GIS Explorer Application*. Prepared with Panda Consulting.

1996. *Chattooga Watershed Conservation Plan* Prepared with the Chattooga Watershed Coalition, and Southern Appalachian Forest Coalition.

1995. *Albemarle-Pamlico Bioregional Greenway Plan*

Selected Publications

Allen, William L. *A Regional Approach to Conservation Planning and Hazard Mitigation*, Conservation Geography, ESRI Press, 2001, pp. 74-75.

Amundsen, Ole M., Will Allen and Kris Hoellen. *Green Infrastructure Planning: Recent Advances and Applications*, American Planning Association, PAS Memo, May/June 2009.

Benedict, Mark A., William L. Allen, III, and E. T. McMahon. 2004. *Advancing Strategic Conservation in the Commonwealth of Virginia: Using a Green Infrastructure Approach to Conserving and Managing the Commonwealth's Natural Areas, Working Landscapes, Open Space, and Other Critical Resources*. Prepared for the Virginia Department of Forestry.

Hector, Thomas S., William L. Allen, III, Margaret Carr, Paul D. Zwick, Ellen Huntley, Daniel J. Smith, David S. Maehr, Ramesh Buch, Richard Hilsenbeck. *Land Corridors in the Southeast USA: Connectivity to Protect Biodiversity and Ecosystem Services*. Journal of Conservation Planning, Volume 4. 2008. (<http://www.journalconsplanning.org>)

McDonald, Leigh Anne, W. L. Allen III, M. A. Benedict, and K O'Connor. 2005. *Green Infrastructure Plan Evaluation Frameworks*. Journal of Conservation Planning, Vol. 1 No. 1. (<http://www.journalconsplanning.org>) Peer Reviewed.

Messer, Kent D. and William Allen III, 2009. *Applying Optimization and the Analytic Hierarchy Process to Enhance Agricultural Preservation Strategies in the State of Delaware*. 2009. Agricultural and Resource Economics Review. Forthcoming.

Messer, Kent D. and William Allen III, *Applying Optimization and the Analytic Hierarchy Process to Enhance Agricultural Preservation Strategies*. University of Delaware Working Papers series, (<http://www.lerner.udel.edu/Economics/workingpaperseries.html>) 2008.

Messer, Kent D. and William L. Allen, III, 2009. *Optimizing Project Selection for the U.S. Army Compatible Use Buffer Program*. White paper prepared for US Army Environmental Center and LMI Government Consulting.

Selected Training Deliveries and Workshop Presentations

Strategic Conservation Planning Using a Green Infrastructure Approach (with Conservation Leadership Network)

- Silverton, Oregon, May 2009
- National Association of Clean Water Agencies, Shepherdstown, West Virginia, April 2009
- Maryland State Highway Administration, Baltimore, Maryland, October 2008
- Kenai, Alaska, September 2008
- National Association of Regional Councils, Jackson, Mississippi, June 2007
- Kansas City, Missouri, March 2007
- Georgia Green Infrastructure Workshop, Jekyll Island, Georgia, February 2007
- Carolina Mountain Land Conservancy, Hendersonville, North Carolina, June 2001
- ASPRS, Washington, DC, May 2000

GIS Tools for Strategic Conservation Planning (with NOAA Coastal Services Center)

- National Conservation Training Center, Shepherdstown, West Virginia, June 2008
- NOAA Coastal Services Center, Charleston, South Carolina, April & November 2007

Planning the Green and the Grey as Complementary Systems: Optimizing Environmental Project Selection (with Dr. Kent Messer)

- Transportation Review Board – Looking Beyond the Transportation Footprint: A National Dialogue on New Partners and New Scales of Analysis, Shepherdstown, West Virginia, July 2009

Compatible Land Use Workshop (with National Association of Counties)

- Fort Stewart-Hunter Army Airfield, Georgia, December 2006

New Tools for Cost Effective Farmland Conservation (with Dr. Kent Messer)

- American Farmland Trust, Newark, Delaware, November 2006

Strategic Conservation for Land Trusts (with Ole Amundsen)

- Land Trust Alliance – Southeast, Columbia, South Carolina, April 2006
- National Land Trust Rally Workshop, Portland, Oregon, October 2005

GIS Design for Regional Conservation Planning (with University of Florida and US Fish and Wildlife Service)

- National Conservation Training Center, Shepherdstown, West Virginia, 1998-2006

Re-enacting with Civil War with GIS: Identifying Conservation Priorities (with Jamie Christensen, WorldView Solutions)

- American Battlefield Protection Program Conference, Nashville, Tennessee, April 2004
- ESRI User Conference, San Diego, California, July 2003
- North Carolina GIS Conference, Winston-Salem, North Carolina, March 2003

GIS Overview for Community-Based Conservation (with Canaan Valley Institute)

- National Conservation Training Center, Shepherdstown, West Virginia, 1999-2003

Advanced GIS: A Discussion for Experienced Users

- National Land Trust Rally, Austin, Texas, October 2002.

Developing Custom Applications for Land Trusts (with Frank Conkling, Panda Consulting)

- ESRI User Conference, San Diego, California, July 2002
- Society for Conservation GIS Conference, Borrego Springs, California, July 2002

Advanced Information Management for Land Trusts (with Jamie Christensen, Worldview Solutions)

- National Land Trust Rally, Baltimore, Maryland, October 2001.
- ESRI User Conference, San Diego, California, July 2001

Conservation Planning and Decision Support

- North Carolina GIS Conference, Winston-Salem, North Carolina, March 2001

GIS on a Budget: Tips and Tricks for Land Trusts

- National Land Trust Rally, Portland, Oregon, October 2000.
- National Land Trust Rally, Snowmass Village, Colorado, October 1999.

Empowering the Public in Forest Planning using GIS (with Frank Conkling, Panda Consulting)

- ESRI User Conference, San Diego, California, June 2000
- GIS 2000 Conference, Toronto, Ontario, March 2000
- Society for Conservation GIS Conference, Idyllwild, California, July 1999

ArcView Applications for the NC Wildlife Resources Commission (with Dr. Pat Halpin, Duke University)

- Duke University Nicholas School of the Environment, Durham, North Carolina, August 1998.

ArcView GIS for NC Land Trusts

- Charlotte & Durham, North Carolina, June 1998.

GIS in Conservation Planning

- American Planning Association Conference, Seattle, Washington, April 1999.

- National Land Trust Rally, Savannah, Georgia, September 1997
- Duke University Nicholas School of the Environment, Durham, NC, *Land Conservation Strategies*, 1996 & 1998.
- ESRI User Conference, San Diego, California, July 1997
- Society for Conservation GIS Conference, Idyllwild, California, July 1997
- National Fish and Wildlife GIS Workshop, Hagerstown, Maryland, June 1997

Revised July 20, 2009