

Anthony D. Phillips

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EDUCATION

Virginia Polytechnic Institute and State University (anticipated) May, 2016
Ph.D. in Geospatial and Environmental Analysis
Dissertation: TBD
Advisor: Andrew Ellis, Ph.D.

Ball State University May, 2012
M.S. in Geography (Applied Atmospheric Science concentration)
Thesis: *Flash Flooding across the Southern Appalachians: An Abbreviated Climatology*
Advisor: David Call, Ph.D.

Virginia Polytechnic Institute and State University May, 2010
B.A. in Geography (Geospatial and Environmental Analysis concentration)
Undergraduate Research: *Documentation and Analysis of Flash Flood Prone Streams and Subwatershed Basins in Pulaski County, Virginia.*
Advisors: Lisa Kennedy, Ph.D. and David Carroll, M.S.

EXPERTISE

Hydrometeorology, Climatology, Geographic Information Systems/Remote Sensing (ArcGIS, IDRISI, ERDAS Imagine), Computer Technology (servers/networking/storage, website design, computer repair)

TEACHING EXPERIENCE

<i>Ball State University</i>	Introduction to Physical Geography, Laboratory Instructor	2011-2012
	Water Resources, Laboratory Instructor	2011
<i>Virginia Tech</i>	Great Plains Storm Chase, Co-Instructor	2009

PROFESSIONAL & EDUCATIONAL EXPERIENCE

<i>Virginia Tech</i>	Graduate Research Assistant, Department of Geography	2012-present
<i>Ball State University</i>	Graduate Research Assistant, Department of Geography	2010-2011
<i>Virginia Tech</i>	Operational Meteorology Internship, National Weather Service	2009-2010
	Museum Curator, Department of Fisheries and Wildlife Science	2009-2010
	Broadcast Meteorology Internship, WDBJ-DT, Roanoke	2009
	GIS/Remote Sensing Technician, Conservation Management Inst.	2007
<i>County of Pulaski, VA</i>	Hydrometeorological Consultant, Department of Information Tech.	2009-2010

FELLOWSHIPS & AWARDS

McNair Fellowship, Ball State University	2010-2011
Who's Who Among Students in American Universities and Colleges, Virginia Tech	2010
Ronald E. McNair Scholar, Virginia Tech	2009-2010

PUBLICATIONS

Encyclopedia Articles

1. Phillips, A. D., and J. S. M. Coleman. Floods. *Encyclopedia of Global Warming and Climate Change, Second Edition*. S. George Philander, editor. Forthcoming, 2012.
2. Phillips, A. D., and J. S. M. Coleman. West Virginia. *Encyclopedia of Global Warming and Climate Change, Second Edition*. S. George Philander, editor. Forthcoming, 2012.

TECHNICAL REPORTS AND UNPUBLISHED ARTICLES

1. Phillips, A. D. Documentation and Analysis of Flash Flood Prone Streams and Subwatershed Basins in Pulaski County, Virginia. Summer Research Experience, McNair Scholars Program, 2009.
2. Phillips, A. D. Precipitation and Infiltration Evaluation for the Pulaski County Sewage Authority at Fairlawn, Virginia. Department of Information Technology, County of Pulaski, Virginia, 2009.
3. Phillips, A. D. Documentation and Analysis of Flash Flood Prone Streams in Montgomery County, Virginia. Flash Flood Risk Research, National Weather Service, 2010.
4. Phillips, A. D. Dynamics of a Severe Tornadoic Event in Southwest Virginia and Northwest North Carolina on 8 May 2009. Senior Undergraduate Research, Department of Geography, Virginia Tech, 2010.
5. Phillips, A. D. Surface Hydrology and Related Hazards - Delaware County, Indiana. Graduate Research, Department of Geography, Ball State University, 2010.
6. Phillips, A. D. The North American Blizzard of 2009: A Synoptic Review. Graduate Research, Department of Geography, Ball State University, 2010.

SCIENTIFIC PRESENTATIONS

Conference Presentations

1. Phillips, A. D. Documentation and Analysis of Flash Flood Prone Streams and Subwatershed Basins in Pulaski County, Virginia. *American Meteorological Society Student Conference*, Atlanta, Georgia, 2010.
2. Phillips, A. D. Documentation and Analysis of Flash Flood Prone Streams and Subwatershed Basins in Pulaski County, Virginia. *Virginia Tech Undergraduate Research and Prospective Graduate Student Conference*, Blacksburg, Virginia, 2010.

3. Phillips, A. D., D. A. Call, and J. S. M. Coleman. An Analysis of Flash Flooding over the Southern Appalachians: Forecasting Methods and Techniques. *American Meteorological Society 26th Conference on Hydrology*, New Orleans, Louisiana, 2012.

4. Phillips, A. D., D. A. Call, and J. S. M. Coleman. An Analysis of Flash Flooding over the Southern Appalachians: Forecasting Methods and Techniques. *National Flood Workshop*, Houston, Texas, 2012.

Invited Presentations

1. Phillips, A. D. Mesoscale Environments of Three Tornadic Supercells over Appalachia during May 2009. *National Weather Service Spring Severe Weather Seminar*, Blacksburg, Virginia, 2010.

2. Phillips, A. D. Documentation and Analysis of Flash Flood Prone Streams and Subwatershed Basins in Pulaski County, Virginia. *NOAA National Weather Service Eastern Region Flash Flood Conference*, Wilkes-Barre, Pennsylvania, 2010.

Guest Speaker

1. Phillips, A. D. The Microphysical Processes of Snow Formation. *Department of Geography Lecture Presentation*, Ball State University, Muncie, Indiana, 2010.

2. Phillips, A. D. Hydrometeorological Forecasting: Predicting Heavy Rainfall, Flash Flooding, and Stormwater Runoff. *Department of Natural Resources and Environmental Management Lecture Presentation*, Ball State University, Muncie, Indiana, 2011.

COMMUNITY SERVICE

Community Collaborative Rain, Hail & Snow Network (CoCoRaHS), Station #: IN-DL-17	2011-2012
Benefactor, NWS/USGS High Water Mark signs installed at Radford, Virginia and Graysontown, Virginia.	2011
Invited guest and speaker at several local schools across the New River Valley	2008-2011

PROFESSIONAL ASSOCIATIONS

Sigma Xi, Associate Member	2010-present
Gamma Theta Upsilon	2010-present
American Meteorological Society	2009-present
National Weather Association	2009-present
American Birding Association	2005-present

ADDITIONAL ACTIVITIES AND PROFESSIONAL TRAINING

Various MetEd courses completed through COMET and UCAR	2008-present
Nominated for admission into the National Society of Collegiate Scholars	2012
Nominated for admission into the Golden Key International Honour Society	2011
GS-1315 Hydrology Series Qualifications and Course Requirements Completed	2011
GS-1340 Meteorology Series Qualifications and Course Requirements Completed	2010
Advanced Skywarn Training, National Weather Service	2008
Citizen Science Researcher (BFL, TBN, and eBird), Cornell University Lab of Ornithology	2003-2007
Amateur Radio Technician License, American Radio Relay League	2006

CHARACTER/ACADEMIC REFERENCES

Dr. Andrew Ellis (Ph.D. Advisor)
Department of Geography
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Virginia Tech (MC 0115)
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Dr. David Call (M.S. Advisor)
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Dr. Lisa Kennedy
Department of Geography
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Mr. David Carroll
Department of Geography
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PROFESSIONAL REFERENCES

Dr. Carola Haas
Department of Fish & Wildlife Conservation
112 Cheatham Hall (MC 0321)
Virginia Tech
Blacksburg, Virginia 24061
(540) 231-9269
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Mr. Steve Keighton
Science and Operations Officer
NWS Weather Forecast Office Blacksburg
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Additional info: <http://www.wx4sno.com/portfolio/CV/>