

Doug R. Oetter
Curriculum Vitae

Department of History & Geography
Georgia College & State University CBX 120
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Education:

Doctor of Philosophy, Geography 2002
Oregon State University, Corvallis, Oregon
Minors: History, Water Resources
Dissertation: 'Land Cover Change along the Willamette River, Oregon'

Master of Arts, Geography 1990
Certificate in Environmental Ethics
University of Georgia, Athens, Georgia
Thesis: 'Forecasting Municipal Water Usage for Albany, Georgia'

Bachelor of Arts, Geography 1985
University of Washington, Seattle, Washington

Aerospace Engineering 1982
Georgia Institute of Technology, Atlanta, Georgia

Professional Experience:

Professor of Geography, Georgia College & State University 2012-
Associate Professor of Geography 2007-12
Assistant Professor of Geography 2002-07
Responsible for creation and implementation of 20 different college courses in geography, history, environmental science, and interdisciplinary studies. Coordinator of the Geography and Liberal Studies degree programs. Engaged in multiple research projects, from local to global scales, published in ten academic journal articles, three book chapters, and numerous map products. Academic advisor to hundreds of students and eight separate student organizations, including the Bobcat Frisbee Club, Environmental Science Club, Debate Society, and Geography Club. Active in several departmental, college, university, community, and professional service organizations. Elected member of University Senate and Chair of Resources, Planning, and Institutional Policy committee. Chair of the GC Sustainability Council and Student Green Fee Committee. President of the Board of Directors for the Central Georgia Rail-to-Trail Association. Trustee of the Lockerly Arboretum Foundation.

Geographic Information Systems Analyst, Oregon State University 1999-2002
Developed geographic techniques for the spatial analysis of the Willamette River floodplain for the Willamette Restoration Initiative. Created geographic data sets to identify and summarize riverine characteristics and history. Produced graphical and textual layout for Willamette River Basin planning atlas.

Faculty Research Assistant, Oregon State University 1996-2002
 Responsible for research and production of a land cover/land use map of the Willamette River Basin using satellite imagery, aerial photography, and GIS coverages. Developed forest cover maps and stand replacement disturbance maps for western Oregon and St. Petersburg Oblast, Russia. Directed hourly staff, procured data and hardware, and managed a large data library. Assisted graduate students and instructed short courses in GIS and remote sensing.

Remote Sensing Technician, Oregon State University 1995-96
 Worked in the OSU/USFS Forestry Sciences Laboratory interpreting aerial photography and satellite imagery to classify and model vegetation cover and cover change in western Oregon.

Aerial Photography Specialist, Bohica Enterprises 1995
 Assisted on project to detect riparian vegetation change along the Columbia River. Tasks included photo interpretation, stereoplottling, and quality assurance.

Planetarium Curator, Macon Museum of Arts & Sciences 1992
 Wrote, produced, and presented planetarium shows to school groups grades K-8 and the public. Supervised budget and staff, and maintained facility.

College Instructor 1991-95
 Designed and conducted college courses in geography, environmental science, meteorology, and biology for three colleges: Mercer University, Macon College, and Oregon State University. Responsible for course content, lecture, lab, and grading.

Geography Tutor, UGA Athletic Association 1987-88

Aerial Photographer, USDA ASCS 1987

Graduate Assistant, University of Georgia 1985-87
 Instructed class labs in climatology and biogeography, and performed research tasks for professors in the geography department.

Resource Aid, Tongass National Forest 1985
 Worked for the Chief Hydrologist in the Supervisor's Office assisting on stream channel mapping of the Ketchikan District, as well as other field and office duties.

Teaching Experience:

Professor-

Georgia College & State University, Milledgeville, Georgia:

ENSC 4950/5950- Campus Environmental Audits	1 Class
ENSC 4600- Soils and Environmental Quality	1 Class
GCSU 0001- First-Year Academic Seminar	1 Class
GEOG 1102- World Regional Geography	6 Classes
GEOG 1112- Introduction to Weather and Climate/Lab	13 Classes
GEOG 1113- Introduction to Landforms/Lab	13 Classes
GEOG 3100- Introduction to Geographic Information	14 Classes
GEOG 3500- Geography of Africa	1 Class

GEOG 3500- Geography of Latin America	3 Classes
GEOG 4080/5080- Environmental History	3 Classes
GEOG 4100/5100- Advanced Geographic Information	12 Classes
GEOG 4110/5110- Remote Sensing	3 Classes
GEOG 4112/5112- Advanced Weather and Climate	3 Classes
GEOG 4120/5120- Natural Hazards	4 Classes
GEOG 4130/5130- Wetland Environments	3 Classes
GEOG 4400/5400- Resource Use	5 Classes
GEOG 4450/5450- Environment and Society	5 Classes
GEOG 4940/5940- Independent Study	32 Students
HIST 4080- Environmental History	3 Classes
HIST 4970- Senior Thesis	2 Students
IDST 2205- Global Issues and Society	3 Classes
IDST 2930- Liberal Studies Seminar	7 Classes
IDST 4930- Liberal Studies Capstone	6 Classes
IDST 4931- Liberal Studies Capstone Project	8 Students
IDST 4940- Independent Study	5 Students
PHIL 4950- Environmental Ethics	1 Class

Instructor-

Oregon State University, Corvallis, Oregon:

GEO 300- Environmental Conservation	19 Classes
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Mercer University, Macon, Georgia:

BIO 115- Evolution and Ecology	1 Class
ENV 101- Environmental Science I	2 Classes
ENV 102- Environmental Science II	1 Class
GEOG 299- Introduction to Human Geography	1 Class
PHYS 115- Meteorology	2 Classes

Macon State College, Macon, Georgia:

BIO 241- Man & His Environment	4 Classes
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Lab Instructor-

University of Georgia, Athens, Georgia:

GEOG 120- Weather and Climate	3 Labs
GEOG 122- Soils and Biogeography	2 Labs

Short Courses-

Georgia College & State University, Milledgeville, Georgia:

Basic Computer Mapping
Historic Landscapes, Gardens, and the Built Environment
How to Use Maps
Making Sense of Maps
Geology and Geography of Georgia

USFS PNW Research Station/OSU Forestry Sciences Laboratory Quantitative Support Group, Corvallis, Oregon:

Introduction to Remote Sensing Using Imagine8.4
Advanced Remote Sensing Using Imagine8.4
Imagine's Spatial Modeling and Expert Systems

Macon College Summer Youth Program, Macon, Georgia:

The World Around Us

Guest Lectures-

Georgia College & State University:

- GEOG 2990- Geographic Research Seminar ("Geographic Research Methods")
- GEOG 3500- Geography of Africa ("The Path of Social Development in Africa")
- GEOG 4950/5950- Population and Health ("GIS in Population and Health")
- GEOG 4950/5950- Wetland Environments ("Wetland Loss in Louisiana")
- GEOG 4950/IDST 4999- Climate Change ("Wetlands and Climate Change")
- GEOL 4300- Sedimentology & Stratigraphy ("Geographic Mapping Techniques")
- HIST 4020/5020- Public History ("Environmental History as Public History")
- IDST 2405- Necessities of Life ("Precipitation")
- MGMT 3186- Travel & Tourism ("Introduction to Modern Geography")
- MKTG 3167- Retailing ("GIS in Marketing")
- ODED 5530- Expedition Management ("Quick Course on Weather Forecasting")
- ODED 5530- Expedition Management ("GPS Navigation")
- PHIL 4950- Theories of Social Justice ("Scientific Evidence of Global Warming")
- PHSC 4010- Integrated Physical Science ("The Science Behind Climate Change: It's Getting Hot in Here!")

Oregon State University:

- HDFS 471- The World Consumer ("Municipal Waste and Recycling")
- GEO 326- Geography of Europe ("Geography of Great Britain")

University of Oregon:

- GEOG 410- Remote Sensing ("Using Landsat TM to Map Land Cover")

Other-

Mark Smith Planetarium- Astronomy classes for K-8th grade

Substitute Teacher- Bibb County Schools & Stratford Academy, Macon, GA

Geography Tutor- University of Georgia Athletic Association

Training and Certifications:

Sustainability Advisor Certificate Program. 2015. Georgia Southern University, Statesboro, Georgia.

Georgia Adopt-A-Stream Biological, Chemical, and Bacterial Stream Monitoring Compliance Certificate. 2005-2015. Georgia Environmental Protection Division, Atlanta, Georgia.

Campus Sustainability Leadership Program. 2014. University of Vermont,

Burlington, Vermont.

Sustainability Across the Curriculum Leadership Workshop. 2013. Association for the Advancement of Sustainability in Higher Education, Atlanta, Georgia.

US Army Leadership Development and Assessment Course Community Leaders and Educators Visit. 2012. Joint Base Lewis-McChord, Washington.

University System of Georgia ActiveLogix Periscope Campus Metering System Training. 2012. Atlanta, Georgia.

Georgia Consortium for International Studies Faculty Symposium. 2007. Salta, Argentina.

Fulbright-Hays Professional Development Seminar to Chile and Argentina. 2004. US Department of Education. Santiago, Chile and Buenos Aires, Argentina.

Geography Faculty Development Alliance Workshop. 2004. University of Colorado, Boulder, Colorado.

ERDAS Spatial Modeling and Expert Systems Workshop. 2002. Atlanta, Georgia.

Publications:

Primary Author:

Oetter, Doug R. In preparation. Land use change in a protected area: the Willamette River Greenway, Oregon, 1974-2015. *Land Use*.

Oetter, Doug R. In preparation. Landscape change in the Lake District of Georgia: cultural and economic linkages to development and landscape patterns. *Annals of the Association of American Geographers*.

Oetter, Doug R. In preparation. Hollywood does physical geography: using disaster films to instruct natural hazards. *Journal of Geography in Higher Education*.

Oetter, Doug R., Linda R. Ashkenas, Stanley V. Gregory, Paula J. Minear. 2004. GIS methodology for characterizing historical conditions of the Willamette River flood plain, Oregon. *Transactions in GIS* 8(3):367-383. Cited 11 times.

Oetter, Douglas R. 2002. Land Cover Change Along the Willamette River, Oregon. Ph. D. Dissertation, Oregon State University, Corvallis.

Oetter, Doug R., Warren B. Cohen, Mercedes Berterretche, Thomas K. Maiersperger, Robert E. Kennedy. 2001. Land cover mapping in an agricultural setting using multi-seasonal Thematic Mapper data. *Remote Sensing of Environment* 76(2):139-155. Cited 188 times.

Oetter, Doug. 1992. *The Home Planet*. Planetarium show produced by the Mark Smith Planetarium, Macon (Georgia) Museum of Arts and Sciences.

Oetter, Doug, Glenn Carroll, and Maxine Tournay. 1992. Georgia's Rivers: Our Most

Important Natural Resource Needs Protection. Brochure/poster published by Campaign for a Prosperous Georgia, Atlanta, Georgia.

Oetter, Douglas Rudolph. 1990. Forecasting Municipal Water Usage for Albany, Georgia. Master's Thesis, University of Georgia, Athens.

Oetter, Doug. 1988. Spirituality and politics in the riparian zone. *Georgia Landscape* (Spring):20.

Secondary Author:

Whitbeck, Kristen L., Doug R. Oetter, David A. Perry & James W. Fyles. In preparation. Interactions between macro and micro climate and anthropogenic disturbance on the distribution of aspen near its northern edge in Quebec: implications for climate change related range expansions.

Gregory, Stan, Dave Hulse, Melanie Bertrand, and Doug Oetter. 2012. "The role of remotely sensed data in future scenario analyses at a regional scale." Chapter 12 (pp. 271-297) in Carbonneau, Patrice E. and Herve Piegay, Fluvial Remote Sensing for Science and Management, Chichester, West Sussex, U. K.: John Wiley & Sons, 440 pp. DOI: 10.1002/9781119940791.ch12.

Blick, Jeffrey P., Doug Oetter, and J. Hope Hopkins. 2011. The prehistoric settlement pattern of San Salvador, Bahamas. *Journal of Island & Coastal Archaeology* 6(3):421-441. DOI:10.1080/15564894.2010.540926. Cited 1 time.

Duane, M.V., O.N. Krankina, D.R. Oetter, S.P. Healey, W.B.Cohen. In preparation. Patterns of timber harvest and effects on carbon balance in the St Petersburg region of Russia (1977-2000). *Forest Ecology and Management*.

Bachoon, Dave S., Todd W. Nichols, Kalina M. Manoylov, and Doug R. Oetter. 2009. Assessment of faecal pollution and relative algal abundances in Lakes Oconee and Sinclair, Georgia, USA. *Lakes & Reservoirs: Research and Management* 14:139-149. Cited 9 times.

Krankina, Olga. N., Mark. E. Harmon, Warren B. Cohen, Doug. R. Oetter, Olga Zyrina and Maureen V. Duane. 2004. Carbon stores, sinks, and sources in forests of Northwestern Russia: can we reconcile forest inventories with remote sensing results? *Climatic Change* 67(2):257-272. Cited 52 times.

Krankina, O.N., G. Sun, H. H. Shugart, V. Kharuk, E. Kasischke, K. M. Bergen, J. G. Masek, W. B. Cohen, D. R. Oetter, and M. V. Duane. 2004. Northern Eurasia: remote sensing of boreal forest in selected regions. Chapter 8 in: Land Change Science: Observing, Monitoring, and Understanding Trajectories of Change on the Earth's Surface: Remote Sensing and Digital Image Processing, G. Gutman et al. (eds.). The Netherlands: Kluwer Academic Publishers, 459pp. Cited 16 times.

Lattin, Peter D., Parker. J. Wigington Jr., Thomas J. Moser, Barbara E. Peniston, Dale R. Lindeman, and Doug R. Oetter. 2004. Influence of remote sensing imagery source on quantification of riparian land cover/land use. *Journal of the American Water Resources Association* 40(1):215-227. Cited 23 times.

Perry, David, Huang Jing, Andrew Youngblood, and Doug Oetter. 2004. Forest

structure and fire susceptibility in volcanic landscapes of the Eastern High Cascades, Oregon. *Conservation Biology* 18(4):913-926. Cited 40 times.

Morisette, Jeffrey T., Jaime E. Nickeson, Paul Davis, Yujie Wang, Yuhong Tian, Curtis E. Woodcock, Nikolay Shabanov, Matthew Hansen, Warren B. Cohen, Doug R. Oetter and Robert E. Kennedy. 2003. High spatial resolution satellite observations for validation of MODIS land products: IKONOS observations acquired under the NASA Scientific Data Purchase. *Remote Sensing of Environment* 88(1-2):100-110. Cited 34 times.

Pacific Northwest Ecosystem Research Consortium. 2002. Willamette River Basin Atlas: Trajectories of Environmental and Ecological Change. Corvallis: Oregon State University Press. 192 pp. Cited 188 times.

Cohen, Warren B., Thomas A. Spies, Ralph J. Alig, Douglas R. Oetter, Thomas K. Maersperger, and Maria Fiorella. 2002. Characterizing 23 years (1972-95) of stand replacement disturbance in western Oregon forests with Landsat imagery. *Ecosystems* 5(2):122-137. Cited 190 times.

Cohen, Warren B., Thomas A. Spies, Thomas K. Maersperger, and Douglas R. Oetter. 2001. Modelling forest cover attributes as continuous variables in a regional context with Thematic Mapper data. *International Journal of Remote Sensing* 22(12):2279-2310. Cited 119 times.

World Wide Web Publications:

Land Cover and Forest Cover of St. Petersburg Region, Russia
<<http://www.fsl.orst.edu/larse/russia/>>.

Pacific Northwest Ecosystem Research Consortium: Willamette River Basin Mapping Project <<http://www.fsl.orst.edu/larse/wrb/wrb.html>>.

Introduction to GIS/Remote Sensing in Forest Science Research Network <<http://www.fsl.orst.edu/helpdesk/gis/intro.html>>.

Introduction to Remote Sensing using Imagine8.4
<<http://www.fsl.orst.edu/helpdesk/gis/imagine1.htm>>.

Advanced Remote Sensing using Imagine8.4
<<http://www.fsl.orst.edu/helpdesk/gis/imagine2.htm>>.

Map Products:

Spiro, Costas. 2015. "Chicago Lakefront." Map for Mayor Richard M. Daley and the Rise of Chicago's City of Spectacle. Cornell University Press: Cornell, New York.

Thompson, John M. 2014. "Asia," and "Central Asia." Maps for Sacred Matters, Stately Concerns: Faith and Politics in Asia, Past and Present, Washington College Studies in Religion, Politics, and Culture (Book 1). New York: Peter Lang Publishing.

Fahrer, Chuck. 2012 "Modern Middle East." Map for The Middle East: Its History and Culture (ed. by Jason Tatlock). Bethesda, MD: University Press of Maryland.

Blick, Jeffrey P. 2007. Evidence for Pre-Columbian Impact on Terrestrial, Intertidal, and Marine Resources, San Salvador, Bahamas (A.D. 950-1500). *Journal for Nature Conservation* 15(3):174-183. Cited 19 times.

Meindl, Chris. 2005. "Wetland Locations," "U. S. Wetlands in 1980," and "Wetland Loss 1780-1980." Maps for Wetland Diversity: The Limits of Generalization. *Journal of Geography* 104(6):243-256. Cited 1 time.

Zahler, David A., Edward C. Jensen, and Dawn Anzinger. Cartography by David A. Zahler and Doug R. Oetter. 2002. *Forests of Oregon*. Map publication. Corvallis: Oregon Forest Resources Institute. (Received International Association of Communicators and Information Technologies in Education (ACE) Bronze Award)

Oetter, Doug R. 2002. *Land Cover Classification, St. Petersburg Region*. Map publication. Corvallis: Forestry Sciences Laboratory.
<<ftp://ftp.fsl.orst.edu/pub/larse/russia/lcmap.pdf>>

Cheng, Antony S., and Steven E. Daniels. 2002. Examining the interaction between geographic scale and ways of knowing in ecosystem management: a case study of place-based collaborative planning. *Forest Science* 49(6):841-854. Cited 44 times.

Oetter, Doug R., Warren B. Cohen, Mercedes Berterretche, Thomas K. Maiersperger, Robert E. Kennedy. 2001. *1992 Land Cover of the Willamette Valley*. Map publication. Corvallis: Forestry Sciences Laboratory.
<ftp://ftp.fsl.orst.edu/pub/larse/wrb/wrb_valley_map.pdf>

Professional Presentations:

Primary Author:

Enhancing GISc Education and Engagement with Bike Path Development. Paper Presentation. Annual Meeting of the Southeastern Division of the Association of American Geographers, Athens, GA, 24 November 2014.

Non-normal Spatial Distributions as Indicators of Distance Decay: Inference of Anthropogenic Impact on Boreal Forest Pattern. Poster Presentation by Oetter, Doug R., and Kristen Whitbeck. Annual Meeting of the Association of American Geographers, Tampa, FL, 7 April 2014.

Incorporating Sustainability into the Classroom. Poster Presentation. Georgia Campus Sustainability Network Annual Conference, Macon, GA, 20 September 2013.

The Geospatial Approach to Environmental Analytics and Decision-Making. Panel discussion, Georgia Environmental Conference, Jekyll Island, GA, 23 August 2013.

Georgia College Student Green Fee. Paper Presentation. Georgia Campus Sustainability Network Annual Conference, Atlanta, GA, 14 September 2014.

An Improved Method for Rapid Extraction of Land Cover Data in Remote Areas. Poster Presentation by Oetter, Doug R., Kristen Whitbeck, Jim Fyles, John Kirkwood, Nancy Hoalst-Pullen, Mark Patterson, and Jorge Alfaro. Annual Meeting of the

Southeastern Division of the Association of American Geographers, Savannah, GA, 21 November 2011.

Relating Socio-Economic Indicators to Landcover Patterns in Georgia's Lake Country. Poster presentation by Oetter, Doug R., Brittani Kelley, Jacob Wagener, Kyle Edenfield, David Evans, and John Frazier. Annual Meeting of the Southeastern Division of the Association of American Geographers, Birmingham, AL, 22 November 2010.

Teaching Physical Geography with Disaster Films. Paper presentation, National Council for Geographic Education National Conference, Savannah, GA, 2 Oct 2010.

Hollywood Does Physical Geography: Incorporating Movie Myths into Undergraduate Education. Paper presentation, Annual Meeting of the Association of American Geographers, Washington, D.C., 16 April 2010.

Community Engagement: Actively Learning Geography in the Community. Panel discussion, Annual Meeting of the Southeast Division of the Association of American Geographers, Knoxville, TN, 23 November 2009.

Combining ASTER and TM Imagery to Chronicle Lake Oconee's Rapid Growth. Georgia URISA Annual Meeting, Athens, GA, 15 Oct 2008.

Using Local Data and GIS to Solve Local Problems. Paper presentation, ESRI Education Users Conference, San Diego, CA, 3 Aug 2008.

Engaging Students in Sustainability (with Kelley E. Smith). Paper presentation, COPLAC Summer Meeting, Ashland, OR, 21 Jun 2008.

Think Globally, Instruct Locally. Paper presentation, GIS in Teaching and Research Conference, Atlanta, GA, 14 Feb 2008.

Characterization of Competing Spatial Development Strategies in Salta, Argentina (with Monica Estela Melgar). Illustrated poster presentation, Association of American Geographers Annual Meeting, Boston, MA, 14 April 2008.

Geographies of the Past, Present, and Future: Development and Globalization in Salta, Argentina. 7th Annual Georgia Consortium for International Studies Faculty Symposium, Clarkston, GA, 14 Mar 08.

Detection and Analysis of Forest Cover Change in Southern Chile (with Dr. Mark Patterson, Jorge Marin Alfaro, and Miguel A. Curihuinca). Poster presentation, Southeastern Division of the Association of American Geographers Annual Meeting, Morgantown, WV, 20 Nov 2006.

The Liberal Studies Degree Program at Georgia College & State University. Paper Presentation, 2006 Association for General and Liberal Studies National Conference, Indianapolis, IN, 20 Oct 2006.

The Other Way West: Early Exploration of Western Canada. Paper Presentation, Southern Association for Canadian Studies Annual Conference, Atlanta, GA, 7 Oct 2006.

Forest Conversion in the Biobío River Basin, Chile, Invited Presentation, Pacific Northwest Research Station, Corvallis, OR, 27 July 2006.

Remote Sensing of Large-Scale Forest Conversion in the BioBio River Basin, Chile (with Dr. Mark Patterson). Paper presentation, Association of American Geographers Annual Meeting, Chicago, IL, 10 March 2006.

The Other Way West: Early Exploration of Western Canada. Paper presentation, America's Council Conference, Savannah, GA, 11 Feb 2006.

Canadianizing the Curriculum, Geography Style (with Dr. Mark Patterson). Paper presentation, Canadianizing the Curriculum Conference, Chattanooga, TN, 28 Jan 2006.

A Political Economy of Deforestation in the Biobío Watershed, Chile (with Dr. Mark Patterson). Paper presentation, American Society for Photogrammetry and Remote Sensing Mid-South Region, Athens, GA 10 Nov 2005.

Teaching Geography Outside of Geography: What to do for Non-Majors. Paper presentation, GIS in Teaching and Research 2006 Conference, Athens, GA, 23 Feb 2006.

GIS and Remote Sensing Methods for Mapping Forests: Lessons from the Western Oregon Vegetation Mapping Project. Paper presentation, 4th Southern Forestry and Natural Resources GIS Conference, Athens, Georgia, 17 December 2004.

Developing an Active Geography Curriculum. Invited panel discussion, Southeastern Division of the Association of American Geographers Annual Meeting, Biloxi, Mississippi, 22 November 2004.

Joining GIS with Existing Survey Plats for Property Delineation. Paper presentation, Georgia URISA Conference, Peachtree City, Georgia, 23 September 2004.

Georgia's Rivers (with Dr. Chris Skelton). Informative presentation, Georgia Studies at Noon (series sponsored by The Center for Georgia Studies), Milledgeville, Georgia, 31 March 04.

Enhancing Digital Orthophotographs for Spectral Classification of Wetlands. Paper presentation, Annual Meeting of the Association of American Geographers, Philadelphia, Pennsylvania, 15 March 04.

Local Applications of GIS at Georgia College & State University. Invited presentation, GIS in Teaching and Research 2004, Georgia Institute of Technology Global Learning Center, Atlanta, Georgia, 9 February 2004.

An Improved Method for Mapping Floodplain Forests. Poster presentation, Annual Meeting of the Southeastern Division of the Association of American Geographers, Charlotte, North Carolina, 24 November 2003.

Estimating Carbon Storage for the Boreal Forest of St. Petersburg, Russia using Satellite Imagery. Paper presentation, Annual Meeting of the Ecological Society of

America, Savannah, Georgia, 7 August 2003.

Riparian Land Cover Change Detection Along the Willamette River, Oregon. Paper presentation, Annual Meeting of the Association of American Geographers, New Orleans, Louisiana, 6 March 2003.

Using GIS to Help Restore the Willamette River Floodplain, Oregon. Illustrated paper, Annual Meeting of the Association of American Geographers, Los Angeles, California, 22 March 2002.

GIS Methodology for Characterizing Historical Conditions of the Willamette River Floodplain, Oregon. Invited speaker, Willamette Valley GIS Users Group quarterly meeting, Salem, Oregon, 15 August 2001.

Land Cover and Forest Biomass in the St. Petersburg Region of Russia: Integrating Landsat with Forest Inventory Data. Poster presentation, International Geosphere-Biosphere Programme Open Science Conference, Amsterdam, Holland, 10-13 July 2001.

Remote Sensing Techniques for Mapping Forest Cover in St. Petersburg Oblast, Russia. Workshop presentation, International Workshop and Symposium on Carbon Dynamics of Two Forested Regions: Pacific Northwest and Northwest Russia, Corvallis, Oregon, 27 March 2001.

Landscape Characterization of the Willamette River Basin for Ecological Analyses. Seminar presentation, Oregon State University Department of Geography, Corvallis, Oregon, 23 May 2000.

An Historical Evaluation of the Willamette River Greenway Land Use Planning Goal. Paper presentation, Annual Meeting of the Association of American Geographers, Pittsburgh, Pennsylvania, 8 April 2000.

Using Multi-seasonal TM to Map Vegetation in the Predominantly Agricultural Willamette Valley. Paper presentation, American Society for Photogrammetry and Remote Sensing Annual Conference, Portland, Oregon, 21 May 1999.

Land Cover Mapping of Western Oregon Using Landsat TM Imagery. Paper presentation, Annual Meeting of the Oregon Academy of Sciences, Salem, Oregon, 28 February 1998.

Forecasting Municipal Water Usage for Albany, Georgia. Seminar presentation, Oregon State University Department of Geography, Corvallis, Oregon, 10 May 1993.

Water Pollution: Whose Problem is it? Invited panel discussion, Mercer Environmental Law Society, Macon, Georgia, 7 March 1991.

Modeling the Urban Riparian Landscape: Georgia's Fall Line Cities. Seminar presentation, University of Georgia Institute of Ecology, 3 March 1987.

From Frontier to Fort and Back Again: Discovery Park and Natural Regeneration. Paper presentation, University of Georgia/University of Florida Geography Conference, Athens, Georgia, 1 March 1986.

Secondary Author:

An Analysis of Non-Genitalic Characters of the Aulicus Species Group of *Neoporus guignot* (Co-Leoptera: Dytiscidae). Sergio Minchey, G.W. Wolfe, P. Murray, D. Oetter, and E.H. Barman. Georgia Academy of Sciences, 14 March 2015, Milledgeville, Georgia.

Baseline Survey of Road-Kill Vertebrates in Baldwin County, Georgia. Evan R. Boitet, Alfred J. Mead and Doug R. Oetter. Georgia Academy of Sciences, 24 March 2012, Kennesaw, Georgia.

A Regional Perspective on the Distribution and Abundance of *Populus tremuloides* (aspen) in the James Bay Region of Northwestern Quebec. Kristen L. Whitbeck, Douglas R. Oetter, and James W. Fyles. Paper presentation, Association of American Geographers Annual Meeting, 25 February 2012, New York, NY.

"Investigating The Hydrologic Connection In A Complex River Floodplain System In Middle Ga." Poster presentation by Mangrum, Maxwell, Mutiti, Samuel, Doran, Patrick, Oetter, Doug, Mead, Alfred, Seo, Carol, Melvin, Christine, Lindsey, Rachel, and Hobson, Chad. Geological Society of America Annual Meeting, Denver, CO, 31 October -3 November 2010.

"Reconstruction Of The Historical Geomorphology Of A Dynamic Stream In Middle Georgia." Poster Presentation by Doran, Patrick, Doug Oetter, Samuel Mutiti, Maxwell Mangrum, Alfred Mead, Rachel Lindsey, Chad Hobson, Christine Melvin, and Carol Seo. Geological Society of America Annual Meeting, Denver, CO, 31 October -3 November 2010.

"Examining Hydrologic Connections Of Basins In Central Georgia With Respect To Overtopping Of Sidewalks During Rainfall Events." Poster presentation by Melvin, Christine, Mutiti, Samuel, Oetter, Doug, Lampkin, Thomas, and Crowe, Evan. Geological Society of America, Southeastern Section, 60th Annual Meeting, Wilmington, NC, 23-25 March 2011.

"Using Groundwater Flow Models And Geochemical Analyses To Understand Surface Water And Groundwater Interactions At A Historic Site In Milledgeville, Ga." Poster presentation by Holman, Nathan M., McGee, Branden, Borries, Blair, Mutiti, Samuel, Oetter, Doug, and Otto, Kurt, Geological Society of America, Southeastern Section, 60th Annual Meeting, Wilmington, NC, 23-25 March 2011.

Local Impacts of Globalization: Forestry in Chile's Bio Bio Watershed. Mark Patterson, Douglas Oetter. Paper presentation, Association of American Geographers Annual Meeting, 20 April 2007, San Francisco, CA.

Patterson, Mark, Doug R. Oetter, Jorge Marín Alfaro, and Miguel A. Curihuinca. *Conversión Forestal en el Sur de Chile: Cuenca del Bío Bío*. Paper presentation, 2nd Latin American Congress, International Union of Forest Research Organizations, La Serena, Chile, 26 Oct 06.

Surette, Katie, Mark Patterson, and Doug Oetter. *The Biobío River, Chile: A Political Economy of Deforestation*. Paper presentation, Eighth Annual Conference on the Americas, Savannah, Georgia, 4 Feb 05

Rushing, Rebecca, and Doug Oetter. *Conflict and Displacement in Africa: A Case Study for Cartographic Analysis*. Paper presentation, GC&SU Student Interdisciplinary Research Conference, Milledgeville, Georgia, 23 March 2004.

L.R. Ashkenas, S. V. Gregory, D. R. Oetter, P. J. Minear, R. C. Wildman, D. Hulse, and A. Branscomb. *Using the past to plan the future: a template for restoration of the Willamette River, Oregon*. Poster Presentation, North American Benthological Society Annual Meeting, Athens, Georgia, 29 May 2003.

O. N. Krankina, M. E. Harmon, R. Alig, W. B. Cohen, J. Donnegan, D. R. Oetter. *Driving Forces of Change in Regional Carbon Stocks: Comparison of the Western Oregon, USA and St. Petersburg Region, Russia*. Poster Presentation, NASA-LCLUC Science Team Meeting/ Boreal and Temperate Workshop, College Park, Maryland, 29-31 October 2001.

Warren Cohen, Olga Krankina, Doug Oetter, and Thomas Maiersperger. *Uses of inventory data, remote sensing, and models to characterize carbon stores and fluxes*. Paper presentation, Remote Sensing of Forest Cover in Northwestern Russia and Fennoscandia: Integrating Satellite and in-situ Observations, Center for International Environmental Cooperation of Russian Academy of Sciences, St. Petersburg, Russia, 25 July 2001.

Stan Gregory, Linda Ashkenas, Paula Minear, Doug Oetter. *Analysis of historical and current floodplain channels and forests in prioritizing restoration of large rivers*. Paper presentation, International Conference on Riparian Ecology and Management in Multi-land use Watersheds, American Water Resources Association, Portland, Oregon, 30 August 2000.

S. V. Gregory, R. C. Wildman, L. R. Ashkenas, P. Minear, D. Oetter. *Application of historical channel and forest change, fish assemblages, and socioeconomic patterns in restoration of large rivers*. Paper presentation, North America Benthological Society Annual Meeting, Keystone, Colorado, 30 May 2000.

Thomas K. Maiersperger, Olga N. Krankina, Doug R. Oetter, Warren B. Cohen. *Integration of Satellite Imagery and Stand Inventory Data for Mapping Carbon Stocks in Forest Ecosystems of Northwestern Russia*. Poster presentation, International Science Conference on the Role of Boreal Forests and Forestry in the Global Carbon Budget, Edmonton, Alberta, 8-12 May 2000.

Thomas K. Maiersperger, Warren B. Cohen, Doug R. Oetter. *A Strategy for Developing a Consistent, Flexible, and Cost-effective Forest Vegetation Map for Western Oregon*. Paper presentation, American Society for Photogrammetry and Remote Sensing Annual Conference, Portland, Oregon, 21 May 1999.

Warren B. Cohen, Maria Fiorella, Douglas R. Oetter, Thomas K. Maiersperger. *Characterizing stand replacement disturbance in western Oregon forests using historic Landsat data*. Paper presentation, American Society for Photogrammetry and Remote Sensing Annual Conference, Portland, Oregon, 21 May 1999.

Papers and Textbooks Reviewed:

Miller, Dalton, and Andrew Mercer. 2014. *Physical Geography Lab Manual*. Oxford University Press.

Anonymous. 2014. Indicators of vegetation productivity under a changing climate in British Columbia, Canada. *Applied Geography*.

Patterson, Mark, and Nancy Hoalst-Pullen. 2011. *Physical Geography Lab Manual: A Google Earth Approach*. John Wiley & Sons.

Anonymous. 2011. Aerial photography underestimates riparian zone impacts in a rapidly developing river corridor. *Environmental Management*.

Anonymous. 2003. Using remote sensing to assess changes in moisture and nutrient flux and vegetative stress in the Barataria Bay, Louisiana. *Physical Geography*.

South, Stephen, Jiaguo Qi, and David P. Lusch. 2003. Optimal classification methods for mapping agricultural tillage practices. *Remote Sensing of Environment*.

Sawaya, K., L. Olmanson, G. Holden, N. Heinert, J. Sieracki, P. Brezonik, T. Burk, and M. Bauer. 2002. Extending satellite remote sensing to local scales: land and water resource management using high resolution imagery. *Remote Sensing of Environment*.

Maxwell, S. K, J. R. Nuckols, E. Smith, M. H. Ward, and R. M. Hoffer. 2002. An automated approach to mapping corn from Landsat imagery. *International Journal of Remote Sensing*.

Taft, O.W., S.M. Haig, and C. Kiilsgaard. 2002. Use of radar remote sensing (RADARSAT) to map winter wetland habitat for shorebirds in an agricultural landscape. *Environmental Management*.

Macias, F., and Cerrillo. 2002. Land-cover and land-use mapping in the Buffer Zone of Alto Mayo Protection Forest (Peru) from Landsat 7-ETM data. *Remote Sensing of Environment*.

Professional Consulting:

Lockerly Arboretum- Used total station and global positioning system to construct high-resolution topographic model and maps of 100-acre arboretum for use by landscape architects developing a master plan (80 hours).

Oconee River Greenway Authority- Used Geographic Information Systems to produce three survey-style maps delineating potential land transfer boundaries for inclusion into the Oconee River Greenway (90 hours).

Pacific Northwest Ecosystem Research Consortium- Developed 2000-era land cover map for the Willamette River Basin (200 hours).

Thais Perkins, Southeast Louisiana State University- Consulted for project design of long-term ecological research involving remote sensing and GIS technology for wetlands change research along the Mississippi River in southeast Louisiana (20 hours).

Linda Ashkenas and Dr. Stan Gregory, Oregon State University- Consulted for implementation of Geographic Information Systems to analyze flood characteristics of the Willamette River, Oregon (30 hours).

Drs. Bob Frenkel and Sarah Greene, Oregon State University and U. S. Forest Service- Produced data layers and maps for a vegetation mapping project in the Salmon River Estuary using color and color-infrared digital photography (40 hours).

Dr. Jim Sedell, U. S. Forest Service- Produced data layers and maps for a presentation before the Chief of the Forest Service and the Director of the Bureau for Land Management concerning forest cover in municipal watersheds (30 hours).

Margo Stoddard, Oregon State University- Translated, manipulated, and created data layers in ARC/Info for a research project involving the presence of salamander species in 760 micro-watersheds in the Oregon Coast range (80 hours).

Andy Bluhm, U. S. Forest Service- Trained client to interpret and detect impacts of prescribed burning in north-central Alaska using visual photographic methods and digital image processing (20 hours).

Grants Awarded:

Georgia View (2014): Awarded \$2,500 to direct student presentations in remote sensing at regional geography conference.

Healthy Kids, Healthy Communities (2010): Awarded \$360,000 to create community gardens connected to schools and neighborhoods with bike path system (Co-PI with Dr. Jim Lidstone).

Georgia View (2010): Awarded \$2,500 to purchase SPOT satellite imagery to support remote sensing at GCSU.

STEM (2009): Awarded \$7,000 to build a geographic consortium between GCSU and Oak Hill Middle School (Co-PI with Dr. Chuck Fahrer, Dr. Will Hobbs, Chuck Claxton, and James Powell).

Georgia View (2008): Awarded \$2,500 to develop a course on Remote Sensing at Georgia College.

Georgia College Faculty Development Award (2007): Awarded \$3,100 to continue research on land cover change in Chile.

Georgia View (2006): Funded \$5500 to make remote sensing data useful for outdoor learning experiences in Bartram Educational Forest, Baldwin County, Georgia.

Georgia College Faculty Research Grant (2006): Funded \$2100 to conduct field work in support of a major research effort to detect the amount of native forest in the Region VIII of Chile that has been harvested and converted to exotic pine and eucalyptus plantations.

Georgia View (2005): Funded \$5500 to develop land cover map of Baldwin County for inclusion in the county comprehensive plan.

Georgia College Faculty Research Grant (2005): Funded \$800 to acquire and process digital geographic imagery for research and instruction.

Georgia College Faculty Research Grant (2003): Funded \$850 to lead a problem-based learning approach to a student research project to develop a Geographic Information System for the Oconee River Greenway.

American Rivers Conservation Grant (1991): Funded \$1000 to prepare and publish a river protection poster/brochure for Campaign for a Prosperous Georgia.

Scholarships, Honors, and Awards:

Georgia Chapter Sierra Club Outstanding Service Award
Georgia College Excellence in Service to the University Award, 2014
Georgia College 125 Most Influential Individuals in University History
Georgia Wilderness Society Earl Pearce Award for Community Service
International Association of Communicators and Information Technologies in Education (ACE) Bronze Award
Marquis Who's Who in American Education 2005-06 Listing
Marquis Who's Who in America 2007 Listing
Ocmulgee River Soil & Water Conservation District Conservationist of the Year
Oregon State University Herbert Frolander Award for Outstanding Graduate Teaching Assistant (nominated)
University of Georgia Graduate Award

Professional Involvement:

American Society of Photogrammetry and Remote Sensing
Association for General and Liberal Studies
Association of American Geographers
Association of Pacific Coast Geographers
Georgia Academy of Sciences
Georgia Geographic Alliance
Georgia River Network
Georgia Urban and Regional Information Systems Association
National Council for Geographic Education
National Geographic Society
Southeastern Division of the Association of American Geographers
US Geological Society America's View

Technical Skills:

Adobe Photoshop, Pagemaker, Illustrator, InDesign
AutoCAD
ERDAS Imagine
ESRI ArcGIS, ArcView, and ARC/Info
IDRISI
Macromedia Dreamweaver
Microsoft Access, Excel, FrontPage, Powerpoint, Word
Microsoft SQL Server
Microsoft Visual Basic
S-PLUS
SketchUp
Statistical Analysis System (SAS)
SYSTAT

Community Involvement:

Brown's Mount Association, Secretary and Treasurer
Campaign for a Prosperous Georgia, Board of Directors
Central Georgia Rail-to-Trail Association, Board of Directors President, Vice-President, and Secretary
Central Georgia Rivers Partnership, Steering Committee
Citizens Representing Environmental Progress, Board of Directors
Representing Our Beliefs Political Action Committee, Campaign Manager
Corvallis Parks and Recreation Department, City Ultimate League Coordinator
Keep Macon/Bibb Beautiful Commission, Recycling Committee
Lockerly Arboretum Foundation, Trustee and Board Member
Macon/Bibb County Solid Waste Task Force
Macon Earth Day 1990, Co-Director
Oconee River Greenway Authority, Environment and History Committees
Sierra Club, Athens and Ocmulgee Groups, Chair
Sierra Club, Georgia Chapter, Chapter Secretary and Executive Committee
Sierra Club, Gulf Coast Regional Conservation Committee
USA Ultimate, College and Open Sectional Coordinator

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