

CURRICULUM VITAE
JERRY A. GRIFFITH

4424 New Holland Rd.

Mohnton, PA 19540

Cell: 254-459-8659

jerry.a.griffith@drexel.edu

SUMMARY

Broadly-trained environmental specialist with experience in environmental geography, remote sensing/GIS, landscape ecology, spatial analysis, water resources & wetlands, ecological monitoring, and environmental planning.

EDUCATION

University of Kansas

Ph.D. Geography (Honors) 2000 GPA 4.0

Emphases in Bio-physical Geography and Geographic Techniques (Remote Sensing).

Research skill minors - Ecology, Statistics.

Dissertation - Interrelationships among Landscapes, NDVI, and Stream Water Quality in the U.S. Central Plains

Oregon State University

M.S. Geography 1990 GPA 3.9

Major- Resource Geography *Minor*- Physical Geography.

Research Paper - A Land Use Planning Application of the Corps of Engineers' Wetland Evaluation Technique to Jackson/Frazier Wetland, Benton County, Oregon

Pennsylvania State University

B.S. Earth Sciences 1986 GPA 3.6

Thesis - Drought and Climatic Variation in the Great Plains

PROFESSIONAL EXPERIENCE

Asst. Teaching Professor. Drexel University. 2018 –present. Department of Biodiversity, Earth & Environmental Science. Teach Intro Environmental Science, Watershed Approach, GIS & Environmental Modelling, General Ecology, and History of the Earth.

Asst. Professor/Instructor. Kutztown University of Pennsylvania. 2016 – 2018. Department of Geography. Teach small and large sections of Elements of Physical Geography; Descriptive Oceanography, and was scheduled for Map Reading & Map Interpretation. Perform research and service in environmental geography.

Part-time Faculty. Penn State-Brandywine. Lima, PA. 2015 – 2016. Teach courses in Earth Science (Earth Systems & Global Change), and Geography (Economic Geography).

Remote Sensing Analyst. Tarleton State University, Stephenville, TX. 4/13-9/13. Performed GIS and remote sensing support to issues of crop insurance fraud detection.

Associate Professor. University of Southern Mississippi. Department of Geography & Geology. Hattiesburg, MS. 2008- 2011. Landscape Ecology, Remote Sensing, Biogeography, Physical Geography.

Assistant Professor. University of Southern Mississippi. Department of Geography. Hattiesburg, MS. 2002-2007.

U.S. Geological Survey EROS Data Center. Sioux Falls, SD. 2000-2002. Post-doctoral Research Associate. Research involved assessing land cover change trends in the conterminous U.S. from 1972 to the present using historic and current satellite imagery. The changes in landscape composition and landscape pattern were analyzed through time and across regions.

Kansas Applied Remote Sensing Program. Lawrence, KS. 1996-2000. Research Assistant/Project Manager. Perform image processing and landscape analysis using remote sensing/GIS software. Perform georegistration, classification, graphic analysis, statistical analysis, and literature reviews. Supervise master's level research assistants and given project management responsibilities.

National Biological Service. Northern Prairie Science Center. Jamestown, ND. Summer 1995. Assisted in acquiring digital color infrared photography from Cessna aircraft for use in wetland/landscape ecology analysis. Georeferenced and mosaicked imagery using MIPS software.

Oak Ridge National Laboratory. Oak Ridge, TN. 7/91 - 7/94. Environmental Scientist/GIS Analyst.

- Organized database on ecological indicators used in the EPA program EMAP and wrote literature review on ecological indicators.
- Performed GIS work in regional landscape ecology studies and EIS's using ARC/INFO, IDRISI, and ERDAS.

Scientific Resources, Inc. Lake Oswego, OR. 8/90-5/91. Wetland/Environmental Scientist for consulting firm.

- Performed wetland delineations, groundwater sampling, surface water sampling, wetland mitigation and creation, and environmental inventories.
- Wrote reports on findings and communicated with clients and resource agencies.

Oregon State University. Corvallis, OR. 9/88-3/90. Research Asst. Organized geographic library, performed literature search of forest disturbance ecology, and sorted wetland plants for research analysis.

Marion County Planning Department. Salem, OR. Summer 1989. Internship updating county comprehensive plan. Duties included field inspection/mapping of wetlands and summarizing information into a narrative for comprehensive plan.

RMC/Environmental Services. Pottstown, PA. 3/86-2/88. Environmental Technician. Duties included surface water quality monitoring and testing, groundwater sampling, and quality control of equipment.

Miller Timber Services. Philomath, OR. Summer 1988. Forest Fire fighter. Duties included forest fire fighting, building fire trails, and mop-up of smoldering remnants.

Badlands National Park. Interior, SD. October 2000. Volunteer Naturalist. Performed GPS field mapping of Canada thistle, processed GPS data, and used GIS for analysis and mapping.

Great Smoky Mountains National Park. Gatlinburg, TN. Intermittent 1992. Volunteer Naturalist. Assisted in trail condition survey of park.

TEACHING EXPERIENCE

Kutztown University of Pennsylvania. Kutztown, PA. 2016 – 2018.

- Elements of Physical Geography; Descriptive Oceanography; Map Reading and Map Interpretation; Cultural Geography; Economic Geography

Penn State- Brandywine. 2015 – 2016. Earth Systems & Global Change; Economic Geography

University of Southern Mississippi. Hattiesburg, MS. 2002-2011.

- Assoc. Professor. Physical Geography; Introductory Remote Sensing; Advanced Remote Sensing; Weather & Climate; Landscape Ecology; Biogeography; Research Techniques & Presentation of Geographic Data
- Guest Lecturer. Technologies and Techniques in International Development Research.
- Guest Lecturer. Geography of Mississippi.

University of Kansas. Lawrence, KS. 1994-1997.

- Instructor. Intro. Physical Geography Laboratory (a stand-alone 2-credit course).
- Teaching Assistant/Laboratory Instructor. Introductory Remote Sensing and Advanced Remote Sensing

TEACHING (cont'd)

Oregon State University. Corvallis, OR. 9/88 - 6/89.

- Teaching Assistant/Laboratory Instructor. Climatology.
- Teaching Assistant/Field Trip Assistant. Plant Geography.
- Guest Lecturer. Plant Geography.

TOTAL PUBLICATIONS & CONFERENCE/INVITED PRESENTATIONS – [121]

PEER REVIEWED PUBLICATIONS [19 Total]

Griffith, J., and Goodrich, L. 2017. Land cover and farmland raptor distribution in Pennsylvania. **Middle States Geographer** 50: 64-73.

Carter G. A., K. Lucas, G. Blossom, C. Lassitter, D. Holiday, D. Mooneyhan, D. Fastring, T. Holcombe, and J. Griffith. 2009. Remote sensing and mapping of tamarisk along the Colorado River, USA: A comparative use of summer-acquired Hyperion, Thematic Mapper and QuickBird Data. **Remote Sensing** 1(3): 318-329.

Fastring, D.R., and J. Griffith. 2009. Malaria incidence in Nairobi, Kenya and dekadal trends in NDVI and climatic variables. **Geocarto International** 24 (3): 207-221.

Peneva, E., J. Griffith, and G. Carter. 2008. Seagrass mapping in the northern Gulf of Mexico using airborne hyperspectral imagery: A comparison of classification methods. **Journal of Coastal Research** 24(4): 850-856.

Martinko, E., R. Hagen, and J. Griffith. 2006. Successional change in the insect community of a fragmented landscape. **Landscape Ecology** 21: 711-721.

Griffith, J. 2004. The role of landscape pattern analysis in understanding concepts of land cover change. **Journal of Geographical Sciences** 14(1): 3-17.

Griffith, J., S. Stehman, and T. Loveland. 2003. Landscape trends in mid-Atlantic and southeastern U.S. ecoregions. **Environmental Management** 32(5):572-588.

Griffith, J. 2003. Regions of high fish diversity for conservation concern within the U.S. Central Plains. **Journal of Freshwater Ecology** 18(3):451-457.

Griffith, J. 2003. An assessment of species-watershed area relationships for fish in the Kansas River Basin, Nebraska-Kansas. **Journal of Environmental Hydrology** 11: paper 5 (online).

Griffith, J., S. Stehman, T. Sohl, and T. Loveland. 2003. Detecting trends in landscape pattern metrics over a 20-year period using a sampling-based monitoring program. **International Journal of Remote Sensing** 24(1):175-181.

Griffith, J., E. Martinko, J. Whistler, and K. Price. 2002. An analysis of interrelationships among landscapes, NDVI, and stream condition in the U.S. Central Plains. **Ecological Applications** 12(6):1702-1718.

Griffith, J., E. Martinko, J. Whistler, and K. Price. 2002. Preliminary comparison of landscape pattern/NDVI relationships to Central Plains stream conditions. **Journal of Environmental Quality** 31:846-859.

Griffith, J. 2002. Geographic techniques and recent applications of remote sensing to landscape-water quality studies. **Water, Air, and Soil Pollution** 138(1-4):181-197.

Griffith, J., C. Trettin and R. O'Neill. 2002. A landscape ecology approach to assessing development impacts on the tropics: A geothermal energy example in Hawaii. **Singapore Journal of Tropical Geography** 23(1):1-22.

Griffith, J., K. Price, and E. Martinko. 2001. A multivariate analysis of biophysical differences in tallgrass prairie among different land management practices and years. **Environmental Monitoring and Assessment** 68(3):249-271.

Griffith, J., and S. Egbert. 2001. Remote sensing education and World Wide Web and Internet technology. **Canadian Journal of Remote Sensing** 27(2):159-168.

Griffith, J., E. Martinko, and K. Price. 2000. Landscape structure analysis of Kansas at three scales. **Landscape and Urban Planning** 52(1):45-61.

Griffith, J. 1998. Connecting ecological indicators and ecological monitoring: A review of the literature. **Journal of Environmental Systems** 26(4):325-364.

Peterson, A., G. Escalona-Segura, and J. Griffith. 1998. Distribution and conservation of birds of northern Central America. **The Wilson Bulletin** 110(4):534-543.

PEER-REVIEWED CONFERENCE PROCEEDINGS AND GOVERNMENT REPORTS

[4 Total]

Griffith, J., and T. Loveland. 2001. Changes in landscape pattern and land cover over a 20-yr period in the Middle Atlantic Coastal Plain Ecoregion. **Proceedings of the 3rd International Conference on Geospatial Information in Agriculture and Forestry.** Denver, Co. 5-7 Nov (On CD).

Martinko, E., K. Price, S. Egbert, and J. Griffith. 1998. Mapping Agriculture on the High Plains: An Applied Approach using Hybrid Classification of Time-Series Landsat Thematic Mapper Imagery. **Kansas Biological Survey Technical Report No 113.** (218 pp.) [Contents protected by confidentiality agreement.]

Martinko, E., K. Price, S. Egbert, and J. Griffith. 1996. Mapping Agriculture on the High Plains - A Pilot Study Using a Multi-Date Landsat Image Classification Approach: Final Report. **Kansas Biological Survey Technical Report No. 79.** Kansas Biological Survey, U. of Kansas, Lawrence, KS. (29 pp.) [Contents protected by confidentiality agreement.]

Griffith, J., and C. Hunsaker. 1994. Ecosystem Monitoring and Ecological Indicators: An Annotated Bibliography and Summary of the Literature. EPA 620/R-94/021. **U.S. Environmental Protection Agency,** Environmental Research Laboratory, Athens, GA.

BOOK REVIEWS (Peer Reviewed) [5 Total]

Griffith, J. 2006. Book Review: "Monitoring Manual for Grassland, Shrubland, and Savanna Ecosystems," J. Herrick, J. Van Zee, K. Havstad, L. Burkett, and W. Whitford, eds. **Quarterly Review of Biology** 81(2): 196-197.

Griffith, J. 1999. Book review: "Ecosystem Health," D. Rapport, R. Costanza, P. Epstein, C. Gaudet and R. Levins, eds. **Environmental Practice** 1(3):168-169.

Griffith, J. 1997. Book review: "Evaluating and Monitoring the Health of Large-Scale Ecosystems," D. Rapport, C. Gaudet and P. Calow, eds. **Conservation Biology** 11(2):581-582.

Griffith, J. 1997. Book review: "Ecological Integrity and the Management of Ecosystems," S. Woodley, J. Kay, and G. Francis, eds. **Environmental Management** 21(2):306-307.

Griffith, J., and C. Hunsaker. 1995. Book review: "Ecological Monitoring", by I.F. Spellerberg. **Environmental Management** 19(5): 783-785.

OTHER CONFERENCE PROCEEDINGS [7 Total]

Langen, G., and J. Griffith. 2012. An alternative method for automatic coding of stream order. **Proceedings of the 2012 ESRI User Conference** (on CD). Redlands, CA.

Griffith, J., R. McKellip, and J. Morisette. 2005. Comparison of multiple sensors for identification and mapping of tamarisk in western Colorado: Preliminary findings. **Proceedings of the 2005 American Society for Photogrammetry and Remote Sensing (ASPRS) Annual Conference** [on CD], March 7-11, Baltimore, MD.

Peneva, E., J. Griffith, and G. Carter. 2005. Mapping seagrass distribution off Horn Island, MS, using hyperspectral imagery. **Proceedings of the 2005 American Society for Photogrammetry and Remote Sensing (ASPRS) Annual Conference** [on CD], March 7-11, Baltimore, MD.

Griffith, J. 2004. Whither King Cotton in Mississippi? Land cover dynamics reveal change to pine plantations in the Loess Hills. In: M. Wimberly, ed. **Proceedings of the 4th Annual Southern Forestry and Natural Resources GIS Conference**. (On CD). University of Georgia, Athens.

Mitchell, B., D. Williams, D. Butler, and J. Griffith. 2003. Streamside management zone delineation for control of non-point source pollution. **Proceedings of the 2003 ESRI User Conference**. (On CD). ESRI, Inc., Redlands, CA.

Griffith, J., E. Martinko, and J. Whistler. 2000. Vegetation phenological metrics and their relation to water quality and biophysical condition in Central Plains streams. In: **Proceedings of the 2000 American Society for Photogrammetry and Remote Sensing (ASPRS) Annual Conference**, May 23-27, Washington, DC.

Griffith, J., E. Martinko, and K. Price. 1999. Analyzing the underlying structure of landscape pattern of Kansas at three resolutions. Pages 637-648. In: **Proceedings of the 1999 American Society for Photogrammetry and Remote Sensing (ASPRS) Annual Conference**, May 17-21, Portland, OR.

OTHER PUBLICATIONS [5 total]

Jackson, S.S., G.T. Raber, J.A. Griffith, and M.R. Graves. 2007. Concepts for Sensor Data Fusion to Detect Vegetation Stress and Implications on Ecosystem Health Following Hurricane Katrina. SWWRP Technical Notes Collection, ERDC/EL TN SWWRP-06-08, U.S. Army Engineer Research and Development Center, Vicksburg, MS.

Griffith, J. 2004. Remote sensing of tamarisk in western Colorado: A multi-sensor approach. In: NASA/ASEE Faculty Fellowship Program: Final Report, NASA & Southern University, John C. Stennis Space Center, MS.

Griffith, J. 2002. Southern Berks part of nationwide study on land cover change. **Conservancy News** 28(1): 4-5. Berks County Conservancy, Reading, PA.

Griffith, J., and K. McGarigal. 2001. Suggestions for improved content and outreach potential of the US-IALE Web page. **Newsletter of the U.S. Regional Association of the International Association for Landscape Ecology** 17(1):9-10.

Martinko, E.A., J.L. Whistler, F. deNoyelles, Jr., J.A. Griffith, and D. Peterson. 2000. EPA Region VII R-EMAP Project: Landscape Analysis and Characterization to Support Regional Environmental Assessment (LACRA). Final Report to US EPA Region VII, EPA Assistance Agreement #CR825877-01-0, Lawrence, KS, 109 pp.

PROFESSIONAL REPORTS [11 total]

Griffith, J., and R. Jones. 1991. **Wetland Determination and Delineation on Potential Land Development Parcel near Klamath Falls, Oregon**. Scientific Resources, Inc., Lake Oswego, OR.

Griffith, J. and R. Jones. 1991. **Wetland Delineation on a site near Crow, Oregon**. Scientific Resources, Inc., Lake Oswego, OR.

PROFESSIONAL REPORTS (cont'd.)

Griffith, J., D. Shank, and R. Jones. 1991. **Wetland Determination for a Potential Development Site on Boone Road, Salem, Oregon.** Scientific Resources, Inc. Lake Oswego, OR.

Jones, R., J. Griffith, and R. Kramer. 1991. **Wetland and Wildlife Habitat Inventory and Assessment for the NW 112th Avenue Alternative Alignment Study.** Scientific Resources, Inc. Lake Oswego, OR.

Jones, R., J. van Staveren, and J. Griffith. 1991. **Wetland Determination and Delineation on a Site near Longview, WA.** Scientific Resources, Inc. Lake Oswego, OR.

van Staveren, J., and J. Griffith. 1991. **Wetland Determination and Delineation for the Proposed Jackson School Subdivision, Hillsboro, Oregon.** Scientific Resources, Inc. Lake Oswego, OR.

Geiger, S., J. van Staveren, L. Anderson, and J. Griffith. 1991. **Inventory of the Cultural and Natural Resources of Jackson Bottom Wetlands Preserve, Hillsboro, Oregon.** Scientific Resources, Inc., Lake Oswego, OR.

Geiger, S., J. Griffith, J. van Staveren, and S. Helm. 1990. **Final Mitigation Plan for the NE Airport Way Mitigation Project.** Scientific Resources, Inc. Lake Oswego, OR.

Helm, S., L. Anderson, and J. Griffith. 1990. **Natural Resource Assessment of Airport Way Mitigation Site.** Scientific Resources, Inc. Lake Oswego, OR.

Van Staveren, J., and J. Griffith. 1990. **Wetland Delineation on a Land Development Parcel near Orchards, WA.** Scientific Resources, Inc. Lake Oswego, OR.

Hunsaker, C., S. Timmins, B. Jackson, J. Griffith, and R. O'Neill. 1993. **Characterizing landscape pattern for the conterminous United States.** Report to the U.S. EPA-Las Vegas. Oak Ridge National Laboratory, Oak Ridge, TN.

PRESENTATIONS and PUBLISHED ABSTRACTS [52 Total]

Griffith, J., M. Griffith, and D. Osgood. 2017. Innovative Approaches to Watershed Health Education and Community Awareness/Engagement. Oral presentation at the 12th Annual Susquehanna and Delaware River Symposium. Bucknell University, Lewisburg, PA. November 10-11.

Griffith, J., and L. Goodrich. 2017. Land cover and farmland raptor distribution in Pennsylvania. Oral presentation at Annual Meeting of the Middle States Division of the American Association of Geographers. Geneseo, NY. October.

Griffith, J., and L. Goodrich. 2017. Land cover – raptor relationships in Pennsylvania. Poster presentation at the Annual Meeting of the Delaware Valley Geographical Association. April. Fort Washington, PA.

Griffith, J., and L. Goodrich. 2017. Land cover and presence/abundance of northern harrier and short-eared owl in Pennsylvania. Oral presentation at Annual Meeting of the American Association of Geographers. Boston, MA April.

Griffith, J. 2010. Remote sensing of water resources: three examples. Oral presentation at the Workshop on Using GIS and Remote Sensing to Teach Geoscience in the 21st Century. Montana State University, Bozeman, MT. August.

Griffith, J. 2009. Evolving perspectives on biogeography and land cover. Oral presentation at the 2009 Southeastern Division of the AAG Conference, Knoxville, TN.

Griffith, J., W. Hargrove, and F. Hoffman. 2008. Phenological regions of the conterminous United States. Poster presentation at the 2008 Southeastern Division of the AAG Conference, Greenville, NC.

Griffith, J., E. Peneva, and G. Carter. 2007. Seagrass coverage off Horn Island, Mississippi using airborne hyperspectral imagery. Poster presentation at the 2007 Southeastern Division of the AAG Conference, Charleston, SC.

Griffith, J., S. Jackson, G. Raber, and M. Graves. 2007. Detection of vegetation stress in DeSoto National Forest, Mississippi, following Hurricane Katrina. Presentation at the 2007 American Society for Photogrammetry and Remote Sensing Annual Conference. May. Tampa, FL.

Fastring, D., and J. Griffith. 2006. Modeling favorable mosquito habitat conditions to predict malaria outbreaks in Kenya. Poster presentation at the 91st Annual Meeting of the Ecological Society of America. Memphis, TN, Aug. 6-11.

* also presented at the 2007 USM Student Science Symposium sponsored by Sigma Xi, Hattiesburg, MS. March.

* also presented at the 2006 Annual Meeting of the Southeastern Division of the AAG, Morgantown, WV., Nov.

Blossom, G., M. Davis, G. Carter, J. Griffith, and R. Diehl. 2006. Mapping and modeling pitcher plant habitat using remote sensing, GIS, and expert classification. Oral presentation at the 91st Annual Meeting of the Ecological Society of America. Memphis, TN, Aug. 6-11.

Breckenridge, J., H. Mesick, K. Shaw, M. Harris, G. Raber, J. Griffith, and C Dixon. 2005. Post-storm characterization of the littoral: Mapping the parallels of Hurricane Katrina and terrorist threats on coastal/urban environments. **IEEE-OES Homeland Security Ocean and Maritime Technology Workshop**, Newport, RI.

Griffith, J., D. Caviness, and G. Hennington. 2005. Creation of a GIS Database for Mississippi's Wetland Permits. Poster presentation at the 2005 Annual Meeting of the Southeastern Division of the AAG, West Palm Beach, FL. Nov 18-21.

Redo, D., and J. Griffith. 2005. Assessment of forest cover change in the highlands of Intibuca and La Paz, Honduras, at different spatial scales. Poster presentation at the 102nd Annual Meeting of the Association of American Geographers, Denver, CO.

Griffith, J., J. Morisette, and R. McKellip. 2005. Comparison of multiple sensors for identification and mapping of tamarisk in western Colorado. 2005 American Society for Photogrammetry and Remote Sensing (ASPRS) Annual Conference, March, Baltimore, MD.

Peneva, E., J. Griffith, and G. Carter. 2005. Mapping seagrass distribution off Horn Island, MS, using hyperspectral imagery. Oral presentation at the **2005 American Society for Photogrammetry and Remote Sensing (ASPRS) Annual Conference**, March 7-11, Baltimore, MD.

* also presented at the 103rd Annual Meeting of the Association of American Geographers, Chicago, IL. 2006.

Griffith, J. 2004. Whither King Cotton in Mississippi? Land cover dynamics reveal change to pine plantations in the Loess Hills. Oral presentation at the 4th Annual Southern Forestry and Natural Resources GIS Conference. University of Georgia, Athens. December 16-17.

Griffith, J. 2004. Land use and land cover trends in the Mississippi Valley Loess Plains Ecoregion: A Three-Decade Record. Poster presentation at the 2004 Annual Meeting of the Southeastern Division of the AAG, Biloxi, MS, November 20-23.

Morisette, J., J. Griffith, A. Ullah, P. Evangelista, B. Cheatum, T. Davern, G. Chong, J. Graham, J. Schnase, and T. Stohlgren. 2004. Multi-sensor approach to monitoring tamarisk. Oral presentation at the 1st Monitoring Sciences and Technology Symposium, Denver, CO, September 20-24.

Griffith, J., and D. Redo. 2004. From cotton to pine plantations: land use and land cover change in the Mississippi River Valley Loess Plains, 1973 to 2000. 2nd Annual Mississippi Gulf Coast Geospatial Conference. Biloxi, MS October 20-22.

Peneva, E., G. Carter, and J. Griffith. 2004. Mapping seagrass distribution on Horn Island, Mississippi, USA using hyperspectral imagery. Poster presentation at 2nd Annual Mississippi Gulf Coast Geospatial Conference. Biloxi, MS October 20-22

* also presented at 2004 Annual Meeting of the Southeastern Division of the AAG, Biloxi, MS, November 20-23.
Redo, D., C. Dixon, J. Griffith, and J. Bass. 2004. Reforestation in the highlands of western Honduras: 1987-2000. 2nd Annual Mississippi Gulf Coast Geospatial Conference. Biloxi, MS October 20-22.

Griffith, J.A., and D. Redo. 2004. Land cover change in the Mississippi Valley Loess Plains ecoregion, 1972-2000. Oral presentation at the 100th Annual Meeting of the Association of American Geographers. Philadelphia, PA March

Griffith, J., and R. Auch. 2003. Landscape change in Pennsylvania: A local example from a national-scale study. Poster presentation at the 99th Annual Meeting of the Association of American Geographers. New Orleans, LA.

Griffith, J. 2003. Land cover change analysis in the Northern Piedmont ecoregion. Poster presentation at the Annual Meeting of the Southeastern Division of the Association of American Geographers. Charlotte, NC. November 24th.
* also presented at the Computational Science for Natural Resource Managers Workshop, Knoxville, TN, April, 2006

Griffith, J., and D. Redo. 2003. Documenting land cover change in Mississippi and the southeast based on historical satellite imagery. 1st Annual Mississippi Gulf Coast Geospatial Conference. Biloxi, MS Oct. 22-24.

Griffith, J. 2003. Landscape pattern changes in the eastern U.S. Poster presentation at the 99th Annual Meeting of the Association of American Geographers. New Orleans, LA. March 4-8.

Williams, D., J. Griffith, D. Butler, and B. Mitchell. 2003. A minimalist approach to sustainable forestry: Applied Geospatial Technologies. Poster presentation at the 99th Annual Meeting of the Association of American Geographers. New Orleans, LA. March 4-8.

Whistler, J.L., E.A. Martinko, J. Griffith, and D. Peterson. 2002. Landscape Analysis and Characterization for Regional Assessment (LACRA): A Region VII REMAP Project. Poster presented at the EMAP Symposium 2002: The Condition of Our Nation's Streams and Rivers from the Mountains to the Coast, May 7-9, Kansas City, MO.

Griffith, J., S. Stehman, and T. Loveland. 2002. Trends in landscape patterns in Southeastern and Mid-Atlantic U.S. Ecoregions. 17th Annual Symposium International Association for Landscape Ecology - U.S. Regional Association. Lincoln, NE. 23-27 April.

Sohl, T., T. Loveland, S. Stehman, J. Griffith, and D. Napton. 2002. The Land Cover Trends Project: Estimating rates of conterminous United States land cover change. 17th Annual Symposium IALE - U.S. Regional Association. Lincoln, NE. 23-27 April.

Griffith, J., T. Loveland, A. Gallant, and T. Sohl. 2001. Monitoring land cover change across the nation: An overview of the U.S. Geological Survey's Land Cover Trends Program. Oral presentation given at the Annual Meeting of the Southeastern Division of the Association of American Geographers. Lexington, KY, November.

Griffith, J., and T. Loveland. 2001. Changes in landscape pattern and land cover over a 20-yr period in the Middle Atlantic Coastal Plain Ecoregion. 3rd International Conference on Geospatial Information in Agriculture and Forestry (ICGIAF). Denver, Co. 5-7 Nov. 2001.

Martinko, E., J. Whistler, F. DeNoyelles, J. Griffith, and D. Peterson. 2001. EPA Region VII R-EMAP Project: Landscape Analysis and Characterization to Support Regional Analysis (LACRA). Oral presentation given at the Workshop on Stream Reference Conditions and Landscape-scale Bioassessment. 3-4 April 2001. Central Plains Center for Bioassessment, Lawrence, KS.

Griffith, J., E. Martinko, and J. Whistler. 2000. Vegetation phenological metrics and their relation to water quality and biophysical condition in Central Plains streams. Oral presentation given at the 2000 American Society for Photogrammetry and Remote Sensing (ASPRS) Annual Conference, May 23-27, Washington, DC.

Griffith, J., and D. Huggins. 1999. Delineating ecological regions of Kansas. Oral presentation given at the Annual Meeting of the Great Plains/Rocky Mtns. Division of the AAG, 23-25 September, Colorado Springs, CO.

Griffith, J., D. Kastens, A. Stewart, E. Martinko, and K. Price. 1999. Remote sensing approaches to monitoring agroecosystem health. Poster presentation given at the 3rd International Congress on Ecosystem Health. 15-20 August, Sacramento, CA.

* also presented at MidAmerica GIS Symposium 2000. Osage Beach, MO. 16-18 May

Griffith, J., E. Martinko, J. Whistler, F. DeNoyelles, and D. Peterson. 1999. Linking fisheries health and stream condition in the Great Plains with landscape pattern and vegetation indices. Poster presentation given at the 5th World Congress of the International Association for Landscape Ecology, July 29 - August 3, Snowmass Village, CO.

Griffith, J., E. Martinko and K. Price. 1999. Determining the underlying structure of landscape pattern of Kansas at three resolutions using factor analysis. Oral presentation given at the 1999 American Society for Photogrammetry and Remote Sensing (ASPRS) Annual Conference, 17-21 May, Portland, OR.

Griffith, J., K. Price, and E. Martinko. 1999. Differences in biophysical parameters of tallgrass prairie in eastern Kansas among land management practices and years. Oral presentation given at the 24th Annual Meeting of the National Association of Environmental Professionals. 20-24 June, Kansas City, MO.

Griffith, J., E. Martinko and K. Price. 1999. Investigating the main components of landscape pattern across Kansas. Oral presentation given at the 131st Annual Meeting of the Kansas Academy of Sciences. April 17th, Manhattan, KS.

Griffith, J., E. Martinko, J. Whistler, F. DeNoyelles, and D. Peterson. 1998. An assessment framework for linking fisheries health and stream condition in the Great Plains with landscape pattern and vegetation indices. Oral presentation given at the Annual Meeting of the Great Plains/Rocky Mtns. Division of the Assoc. of Amer. Geog., Sept. 26, Lawrence, KS.

Griffith, J., C. Hunsaker, S. Timmins, and B. Jackson. 1994. Analyzing landscape pattern of Florida from 1975-1991 at three scales. Poster presentation at 1st Annual Tennessee GIS Users Conference. March. Murfreesboro, TN.

Hunsaker, C., S. Timmins, B. Jackson, J. Griffith, and R. O'Neill. 1993. Landscape pattern analysis for ecoregions. Poster presentation at 8th Annual U.S. Landscape Ecology Symposium. March. Oak Ridge, TN.

Griffith, J., C. Hunsaker, S. Timmins, and B. Jackson. 1993. Analysis of landscape metrics at three resolutions for environmental monitoring. Poster presentation at the Annual Meeting of the Association of American Geographers. April 5-9. Atlanta, GA.

Griffith, J., and P. Jackson. 1990. A practical application of the Wetland Evaluation Technique (WET) as a tool for meeting Oregon's land use planning goal 5 requirements. Oral presentation given at the 63rd Annual Meeting of the Northwest Scientific Association. March 21-23, 1990. Corvallis, OR.

INVITED PRESENTATIONS [23 Total]

23) Centenary University. Department of Science. March 2018. "Three Energy Sources from the Ocean".

22) Utah Valley University, Dept. of Earth Science. March 2018. "The Ocean and Climate Change".

21) Utah Valley University, Dept. of Earth Science. March 2018. "Selected Topics in Land Cover and Land Cover Change"

20) University of Pittsburgh at Johnstown. January 2017. "Eutrophication of the Baltic Sea".

- 19) Metropolitan Club, Hattiesburg, MS. May 2007. "Eyes in the Sky: The Art and Science of Remote Sensing."
- 18) University of Oklahoma. Department of Geography. April. 2006. "Landscape Changes and Trends in Selected U.S. Ecoregions: A 30 Yr Record from the Landsat Program."
- 17) NASA John C. Stennis Space Center. August 2004 "Remote Sensing of Tamarisk in Western Colorado: A Multi-sensor Approach." Oral presentation given for the NASA Summer Faculty Fellowship Program.
- 16) University of Southern Mississippi. "Monitoring the Mississippi Valley from Space: Land Cover/Land use Change in the Mississippi Loess Plains Ecoregion, 1973-2000." Poster presentation given for the University of Southern Mississippi LETTERS Day. April.
- 15) University of Southern Mississippi. Dept. of Coastal Sciences. April 2004. "Remote sensing and land cover change detection."
- 14) University of Southern Mississippi. Dept. of Biological Sciences. April 23, 2004. "A 30-year record of land cover change across the United States"
- 13) North Carolina Division of Water Quality. January 2004. "GIS-based functional assessment of streams in North Carolina: Potential Application of Satellite-Derived NDVI for Landscape Assessments."
- 12) University of Southern Mississippi. Department of Geography. November 2003. "Application of Satellite-Derived NDVI for Watershed Assessments."
- 11) University of Southern Mississippi. Department of Coastal Sciences. November 2002. "Remote Sensing - Environmental Applications."
- 10) University of Southern Mississippi. Dept. of Geography. March 2002. "Interrelationships among landscapes, NDVI and stream water quality in the U.S. Central Plains."
- 9) University of Maryland, Baltimore County. Dept. of Geography and Environmental Science. March 2002. "Landscape Analyses of the U.S. Central Plains."
- 8) Texas A&M University. Dept. of Geography. March 2002. "Landscape Analyses of the U.S. Central Plains."
- 7) University of Wisconsin, Milwaukee. Dept. of Geography. Feb. 2002. "Landscape Change and Urban Conversion in the Eastern United States, 1973-2000."
- 6) West Virginia University. Morgantown, WV. Jan. 2002. Dept. of Geology and Geography, "Interrelationships among landscapes, NDVI and stream water quality in the U.S. Central Plains".
- 5) West Virginia University. Jan. 2002. "Ecological Succession"
- 4) University of Nevada, Reno. Dept. of Environmental Resources and Science. Dec. 2001 "Landscape Analyses of Kansas and the U.S. Central Plains."
- 3) University of Nevada, Reno. Dept. of Environmental Resources and Science. Dec. 2001 "Quantifying Landscape Pattern: An Overview."
- 2) USGS EROS DATA Center. June 2001. "Landscape studies in Kansas and the Central Plains."
- 1) Southern Illinois University. Carbondale, IL. Sept. 2000. Dept. of Geography and Environmental Resources & Policy Program. "Interrelationships among landscapes, NDVI and stream water quality in the U.S. Central Plains".

FUNDING

- \$49,925. Mississippi Research Consortium. A Comprehensive Evaluation of the NCDDC Coastal Risk Atlas (CRA) In Reference to Hurricane Katrina Utilizing Environmental, Economic and Socio-Cultural Geospatial Data (with George Raber, Clifton Dixon, and Thomas Strange)
- \$26,000. US Army Corps of Engineers, Research and Developments Center. Hyperspectral – Lidar Data Fusion for Detection of Vegetation Stress and Implications on Ecosystem Health (with George Raber and Sam Jackson).
- \$17,000 NASA/ Mississippi Space Grant. Malaria Epidemicity in Nairobi, Kenya: Construction of a Predictive Disease Model using Climate and Satellite-derived Variables (through student Danielle Robinson)
- \$791. Travel/Registration Support from NSF for attendance at Computational Science for Natural Resource Managers Workshop, Knoxville, TN
- \$59,917. Mississippi Research Consortium. "Tamarisk Mapping Research Using NASA EOS Imagery." NASA.
- \$12,000. NASA/American Society for Engineering Education Summer Faculty Fellowship Program.

- \$14,200. Sun Microsystems Academic Excellence Grant. “A System for the Distribution of Geospatial Data Supporting Interdisciplinary Approaches to Avian Conservation using Remote Sensing Technologies.” Co-Principal Investigator (with Robb Diehl, Biological Sciences).
- \$22,000. Mississippi Space Commerce Initiative. Streamside Management Zone Delineation and Assessment: A Sustainable Forestry Practice Based on Applied Geospatial Technologies. (Project Advisor).
- \$1,000. AAG General Research Grant. “Ground Truthing Land Cover Change Patterns in the Mississippi Loess Hills”
- \$9,250. U. of Southern Mississippi “Documenting Land Cover Change in the Mississippi Loess Hills Using Satellite Imagery.” Summer Faculty Research Grant.
- \$68,000. “Landscape Pattern Changes in Five Selected Ecoregions”. National Research Council.
- \$9,000. Graduate School, University of Kansas. “Stream Condition in the Great Plains in Relation to Land Cover, Landscape Pattern Metrics and Vegetation Indices”
- \$3,000. National Research Council. Travel funding awards.
- \$2,000. Kansas Applied Remote Sensing Program. Travel awards to present research results.
- \$300. Graduate School, University of Kansas. Travel award funding to present research findings at Annual Meeting of the ASPRS. 1999.
- \$ \$500. ASPRS. Award for conference travel/field work expenses. 1999.
- \$ \$250. IALE. Award for travel to conference. 1999.

OTHER GRANT WRITING EXPERIENCE (NOT FUNDED)

- \$62,003. Subcontract to USC-NOAA Grant. Integrating Field and Satellite-Based Measures of Coastal Ecosystem Resilience. With John Kupfer, U. S. Carolina.
- NOAA. “The Coastal Resilience Index: Geospatial Integration of Biophysical and Social Indicators”. Co-Investigator with Susan Cutter and John Kupfer (U. South Carolina) and George Raber and Clifton Dixon.
- NSF IGERT Pre-proposal. “Ecological, Economic and Social Connectivity across the Coastal Landscape: Training tomorrow’s Conservation scientist – practitioners”. With Frank Moore, Brent Hales, and Mark Peterson.
- \$30,000 Spatial Extent of Storm Surge Impacts from Hurricane Katrina on Coastal Mississippi, NSF SGER Co-Investigator with George Raber, Jason Janke, and Clifton Dixon
- Development and Implementation of Effective Online Geospatial Courses. NSF CCLI, w/ Raber, Janke, and Dixon
- \$35,000. Monitoring Forest Change in Armenia; Civilian Research and Development Foundation, \$35,000 Co-PI Tigran Tadevosyan
- \$227,428. U.S. EPA Gulf of Mexico Program Office. “Landscape-Watershed Condition Relationships Using Satellite-Derived Vegetation Measures. Principal Investigator.
- NASA, “Tamarisk Mapping and Control using NASA EOS Imagery for Decision Support,” Principal Investigator.
- \$1,092,847. NSF. “Remote Sensing Center for Advanced Technological Education”. Co-Principal Investigator. With Cyndi Gaudet, Department of Workforce Development
- \$1,738,610. NASA. “Central Gulf Coastal Plain River Basins: Focus for a New Earth Science Education Initiative.” Co-Principal Investigator. With Gail Russell, Department of Geology.

TRAINING

- Attended ESRI Education GIS Conference. San Diego, CA. July 8-11, 2017.
- Attended ESRI User Conference. San Diego, CA. July 10-14, 2017. - Attended National Geospatial Technology Center - Geospatial Technology Summer Workshop. San Diego, CA. July 17-19, 2017.
- Attended 21st NASA GLOBE Annual Meeting. New Haven, CT. Jul 30 - Aug 3, 2017.
- Attended Shale Network Workshop. Penn State University. 2017-2018.
- Attended Workshop on Using GIS and Remote Sensing to Teach Geoscience in the 21st Century. Sponsored by National Science Foundation, at Montana State University, Bozeman, MT. August.

TRAINING (cont'd)

– Attended Teachers' Conservation Workshop (sponsored by the Mississippi Forestry Association). Booneville, MS May 2007.

– Attended NSF and AMS sponsored Workshop for Online Weather Studies Course. Kansas City, MO. May 2006.

– Attended NSF-sponsored Workshop on Computational Science for Natural Resource Managers, Knoxville, TN, April, 2006

Attended NSF-sponsored Geography Faculty Development Alliance Workshop, U. of Colorado, June 2004.

– WETMAAP. Wetland Education Through Maps and Aerial Photography. Workshop held at the U.S. Geological Survey National Wetlands Center, Lafayette, LA. September 13, 2003.

– Experience with ArcGIS (ArcGIS v. 10.4; ESRI training courses - Intro. To ArcInfo, What's New in ArcInfo 8, ArcView, ERDAS IMAGINE, IDRISI, FRAGSTATS, Introduction to ENVI Training Course.

– Experience with SPSS and multivariate statistics, WordPerfect, Excel, Quattro Pro, and PowerPoint. Working knowledge of UNIX, DOS, and WINDOWS.

– Overview of Environmental Regulations. Oak Ridge National Laboratory. 1992.

– Professional application of the U.S. Army Corps of Engineers' Wetland Evaluation Technique.

AWARDS AND HONORS

Awarded \$1,000 scholarship to attend EnergyPath 2018: Grid to Integration. Sustainable Energy Fund. DeSales University. Center Valley, PA.

One of 15 faculty out of 175 applicants for selected for the 2010 Summer Faculty Fellow Institute for Israel, and 1 week faculty exchange trip meet with counterparts at Israeli universities.

Advisor to and co-author with D. Fastring, who won 1st Place, Student Poster Competition, USM Student Science Symposium sponsored by Sigma Xi, Hattiesburg, MS 2007.

Who's Who Among America's Teachers. 2006.

Marquis Who's Who in America. 2006.

AcademicKeys Who's Who in Social Sciences Higher Education. 2005.

Advisor to and co-author with E. Peneva et al. who won 1st Place, Student Poster Competition, 2nd Annual Mississippi Gulf Coast Geospatial Conference, Biloxi, MS.

Co-author with D. Redo, who won Honorable Mention, Student Poster Competition, 2nd Annual Mississippi Gulf Coast Geospatial Conference, Biloxi, MS.

Elected state representative for Mississippi to the Southeast Division of the Association of American Geographers. 2004-2005.

Sigma Xi, The Scientific Research Society. Accepted as Associate Member 1999; Full Member 2002.

National Research Council Research Associateship Awardee. National Academy of Sciences. 2000-2002. At U.S. Geological Survey, EROS Data Center.

Best Paper of Session. 3rd Int. Conference on Geospatial Info. in Agric. and Forestry, Denver, CO Nov. 5-7, 2001.

Selected for one of two Graduate Dissertation Fellowships given out by the University of Kansas for 1999-2000.

Ta Liang Memorial Award. 2000. American Society for Photogrammetry and Remote Sensing.

1st Place (Eugene Dehner Award), Ph.D. Student Paper Competition. Kansas Academy of Science, 131st Annual Meeting. Manhattan, KS, April 1999.

3rd Place, Student Paper Competition, 24th Annual Meeting of the National Association of Environmental Professionals. June, 1999.

NASA/Michigan State University Professional Enhancement Award. 5th World Congress of the International Association for Landscape Ecology, August, 1999.

Listed on Lexington Who's Who Among Professionals. 1999/2000

Teaching Fellowship. KU. Fall 1994 through Fall 1997.

AWARDS AND HONORS (cont'd.)

Teaching Assistantship. Oregon State U. 1988-1989.

Research Assistantship. KU. 1996-2000; OSU. 1989-1990.

Passed with Honors. Doctoral Oral/Comprehensive examinations. 1997.

Passed with Honors. Dissertation Defense/Final Examination. 2000.

Chosen as nominee from the Kansas Applied Remote Sensing Program for a Presidential Management Internship. 1997.

Golden Key National Honor Society. 1985.

Dean's List. Penn State. 1983, 1984, 1985.

PROFESSIONAL AFFILIATIONS

Association of American Geographers (AAG)

American Society for Photogrammetry and Remote Sensing

International Association of Landscape Ecology (IALE) and US. Regional Chapter IALE

Ecological Society of America

DEPARTMENTAL, COLLEGE AND UNIVERSITY SERVICE (THE UNIVERSITY OF SOUTHERN MISSISSIPPI, 2002-2011)

Faculty Senate	(2005-2008)
Graduate Council	(2005-2008)
University Assessment Committee	(2005-2008)
USM World Geography Bowl Coach	(2008)
Committee on Discussion of Director's Role, School of Ocean & Earth Sciences, USM	(2006)
Committee on Potential Merger between Geography and Geology Departments	(2004-2005)
Led Departmental effort to teach Environmental Science classes in the Geography Department	(2004)
College of Science & Technology Dean's Search Committee	(2009-2010)
College of Science & Technology Research Committee	(2003-2006)
College of Science & Technology Awards Committee	(2004-)
University Excellence Awards in Service & Teaching Committee	(2005)
Member of Honors College Committee interviewing candidates for Presidential Scholarships.	(2003)
Participated in Hiring Committees for 8 faculty members (Geography)	(2002-)
Departmental Public Relations Representative (Geography)	(2003-2007)
Attended Recruiting Trips to: University of South Alabama, Stennis Space Center, and Gulf Coast Geospatial Center (to meet with Alcorn State students)	(2002-)
Helped put together proposal for initiation of Master's Degree at Stennis	(2003-)
Helped man booth for Department at GIS Day Fair held by Dept. of Workforce Development	(2002-2003)
Helped with Departmental GIS Day	(2002-2003)
Hosted AAG President Vicki Lawson to speak at USM National Geography Awareness Week	(2004)
Arranged Dr. Allan Falconer visit for GIS Day Lecture	(2003)
Initiated and Developed two new courses for Geography Department	(2002)

PROFESSIONAL SERVICE

Penn State Extension Service. Master Watershed Steward. 2018 – present.

PROFESSIONAL SERVICE (cont'd.)

Angelica Creek Watershed Association, Director of Water Quality Sampling, 2016 – present.

Berks Nature, Steering Committee for the State of The Environment Report, 2014-present.

USDA Natural Resources Conservation Service, Earth Team Volunteer. 2014- present.

National Science Foundation Review Panel, “Enhancing Diversity in the Geosciences”. 2009.

Board of Advisors, Department of Geosciences, Oregon State University. 2008-2012.

Research Grants Committee, Association of American Geographers, 2008-2011.

Session Discussant, “Spread of sudden oak death: application of stochastic epidemic modeling to realistic landscapes”. SEDAAG Annual Meeting, Greensboro, NC.

Invited Panelist and rapporteur, Faculty Development Workshop to support educational activities of the National Ecological Observatory Network. Sponsored by the Ecological Society of American and the American Association for the Advancement of Science. Washington, DC. October, 2008.

Editorial Board, *Scientific Journals International*, 2007-2010.

Editorial Board, *Southeastern Geographer*, 2004-2007.

NASA ROSES Proposal Review Panelist, 2007.

Peer Reviewer, *Middle States Geographer* 2016; *Applied Geography*, 2010; *Regional Environmental Change*, 2008; *Journal of Agricultural, Food and Environmental Sciences*, 2008 (2); *Urban Water Journal*, 2007; *Handbook of Remote Sensing*, T. Warner, M.D. Nellis, and G. Foody, eds., SAGE Publications, 2007; *ISPRS Journal of Photogrammetry and Remote Sensing*, 2006; *Journal of Geography*, 2008 (2), 2005; *Rangeland Ecology & Management*, 2005; *Southeastern Geographer*, 2004, 2005; *Professional Geographer*, 2004; *Photogrammetric Engineering & Remote Sensing*, 2004, 2005; *Journal of Vegetation Science*, 2004; *Environmental Management*, 2008, 2003; *Journal of Environmental Management*, 2000, 2004; *Integrating Landscape Ecology into Natural Resource Management*, J. Liu and W. Taylor eds. 2002. Cambridge U. Press; *Great Plains Research*, 2002; *Environmental Practice*, 1999; *Remote Sensing Reviews*, 1996.

USGS/NASA Review Panel for Landsat Science Team Selection, 2006

EPA Review Panel for Lake Pontchartrain Basin Research Center (Southeastern Louisiana University) 2006.

Session Moderator, American Society for Photogrammetry and Remote Sensing Annual Meeting, Baltimore, MD, March, 2005.

Grant Peer Reviewer, National Science Foundation CAREER Award, “Land-Atmosphere Exchanges of Carbon Dioxide within an Urban Ecosystem.” 2004.

Abstract Reviewer, Annual Meeting of the U.S. Chapter of the International Association for Landscape Ecology, 2005-2006.

Panel Member, “Learning to Publish: The Rules, Risks, and Rewards.” SEDAAG Annual Meeting. Biloxi, MS, Nov. 2004.

Session Discussant: “Using NDVI Differencing and Temporal Logic to Improve Land Use/Cover Classification Accuracy,” SEDAAG Annual Meeting Biloxi, MS, Nov. 2004.

Remote Sensing Specialty Group Program Chair for Centennial AAG Meeting, Philadelphia, 2004

Peer Reviewer for Environmental Protection Agency’s STAR Fellowship Program-Geography, Washington, DC. 2004-2006.

Judge, Student Illustrated Poster Session Competition, Remote Sensing/GIS/Cartography Specialty Groups, AAG Annual Meeting, Philadelphia, 2004.

Judge, Young Investigators Award Paper Competition, Remote Sensing Specialty Group, AAG Centennial Meeting

Chair or Organizer for Five Sessions at the Association of American Geographers 100th Annual Meeting, Philadelphia, 2004.

ASK-A-GEOGRAPHER Volunteer – Association of American Geographers, 2002-present.

Judge, Remote Sensing Specialty Group Student Paper Competition, AAG Annual Meeting, New Orleans, LA. March 4-8, 2003.

Organizer and Chair. Special Session - Land Cover Change Monitoring: Local to Global Scales. AAG Annual Meeting, New Orleans, LA. March 2003.

Grant reviewer for two proposals for the U.S. Civilian Research and Development Foundation for the Independent States of the Former Soviet Union.

Grant reviewer. "Forest Bat Habitat Use and Detection Analysis." For University of Missouri Research Board. April, 2002.

Organizer and Chair. Special Session on Monitoring Land Cover Change Across the Nation: US-IALE Annual Meeting, Lincoln, NE. April, 2002.

Judge, Best Student paper/poster award. US-IALE Annual Meeting.

Judge, Best Poster. Third International Conference on Geospatial Info. in Agriculture and Forestry. Nov. 2001.

Organizer and Chair. Session on Monitoring Land Use and Land Cover Change: From Local to National Scales. Annual Meeting, Southeastern Division AAG, Lexington, KY. Nov. 2001

Session Discussant: Hyperspectral remote sensing of a submerged macrophyte. SEDAAG Annual Meeting, Lexington, KY. Nov. 2001.

Coordinated student volunteers, NAEP Annual Meeting, Kansas City, MO. 1999.

Student Director, Remote Sensing Specialty Group (RSSG), AAG, 1996-1997.

Chair for Session on Physical Geography. Annual Meeting of the Great Plains/Rocky Mtns. Division of the AAG. Colorado Springs., CO. 1999.

Ad Hoc Committee Member on Student Competitions, RSSG, 1997.

Organizer and Judge, Student Poster Competition, RSSG and GIS Specialty Group, AAG Annual Meeting, Fort Worth, Texas, 1997.

Student Representative for selection of instructor for KU Teacher Appreciation Day, KU Geography Department.

Student Representative, GIS Faculty Search Committee, KU Geography Dept. 1997.

Member of a contact list of geography experts. Point of contact for remote sensing/biogeography information for K-12 teachers, community colleges, government officials, and consulting companies.

Editorial contributions to the *Newsletter of the AAG*, *RSSG Newsletter*, *NAEP News* and *Environmental Practice*. 1996-2005. Wrote on student and faculty activities/awards updates.

Expert witness on wetland determination/delineation, at Lake Oswego (OR) City Council Meeting Hearing, 1991.

Attended AAG Conferences in 1995, 1996, 1997 (Chicago, Charlotte, Fort Worth), Kansas Academy of Sciences Annual Meeting (Emporia, 1996), and South Dakota State Geography Convention (Brookings, 2001).

COMMUNITY SERVICE

USDA Natural Resources Conservation Service. 2014 – 2017. Digitize soil maps, help at public outreach events.

Berks County Pre-trial Services. 2014-present. Reading, PA. Mentor prison inmates and participate in mock job interviews.

Berks Nature. 2014-present. Board of Advisors, State of the Environment Committee.

Animal Rescue League of Berks County. 2013 – present. Birdsboro, PA. Walk dogs, interact with cats and other animals.

Southern Pines Animal Shelter. 2007-present. Hattiesburg, MS. Walk dogs, wash puppies.

Habitat for Humanity. 2006-2007. Hattiesburg, MS. Provide labor for home building projects.

Headquarters. 1998-2000. Lawrence, KS. Suicide/crisis/counseling hotline, community resources/information. Served as a paraprofessional counselor. www.hqcc.lawrence.ks.us

Big Brothers of Douglas County. Lawrence, KS. 1994-1997. Served as a Big Brother.

Portland Food Bank. Portland, OR. 1991. Helped sort food donations.

Meals on Wheels. 1990. United Way of Benton County. Corvallis, OR.

Soup Kitchen. 1990. United Presbyterian Church. Albany, OR.

STUDENTS (Geography majors unless otherwise noted)

- 1) Joshua Shaw – MS, 2003 – committee member (GIScientist, Radiance Technologies Inc., Stennis Space Center)
- 2) Edward Besancon – MS in Engineering Technology, 2004 – committee member (PhD Student, Geography Department, Sussex University)
- 3) Nathan Hopper – MS, 2004 – major professor (Image Analyst, U.S. Naval Oceanographic Office, Stennis Space Center)
- 4) Elitsa Peneva – MS, 2005 – major professor (PhD student, University of South Carolina)
- 5) Daniel Redo – MS, 2005 – committee member (PhD student, Texas A&M University)
- 6) Brian Mitchell – PhD, 2005, in International Development – committee member (Professor, Department of Forestry, Jones County Junior College)
- 7) Bradley Hensarling – MS, 2005 – committee member (Photogrammetrist, 3001, Inc., Stennis Space Center, MS)
- 8) Mark Huesmann – MS, 2005 – committee member (Photogrammetrist, 3001, Inc., Stennis Space Center, MS)
- 9) Danielle Fastring – MS, 2006 – major professor (Instructor, USM and PhD student, Tulane University)
- 10) Gabriel Blossom – MS in Biological Sciences, 2006 – committee member
- 11) Tom Wince – MS, 2006 – committee member (Imagery Analyst, US Naval Research Laboratory)
- 12) Alan Criss – MS, 2006 – committee member (GIS/Remote Sensing Specialist, Gulf Coast Geospatial Center)
- 13) Carter Christopher – MS, 2006 – committee member (Photogrammetrist, 3001, Inc., Slidell, LA)
- 14) David Lalejini – MS, 2008 – committee member (Image Analyst, US Naval Research Laboratory)
- 15) Thomas Strange – MS 2010 – committee member (GIS Analyst, Grand Bay National Estuarine Research Reserve)
- 16) Emily Cohen – PhD student in Biological Sciences – committee member
- 17) Kristie Grisaffi – MS student – major professor
- 18) Rodney Felix – MS in Biological Sciences, 2008 – committee member

REFERENCES

Dr. Thomas Loveland (loveland@usgs.gov, 605-594-6066)

U.S. Geological Survey, National Center for Earth Resources Observation and Science
Science & Applications Branch
Sioux Falls, SD 57198

Dr. Edward Martinko (martinko@ku.edu, 785-864-1505)

Kansas Biological Survey, Environmental Studies Program, and Department of Ecology and Evolutionary Biology,
Takero Higuchi Building, 2101 Constant Avenue, University of Kansas, Lawrence, KS 66047-3759

Dr. Stephen Egbert (segbert@ku.edu, 785-864-1507)

Department of Geography, and Kansas Applied Remote Sensing Program
1475 Jayhawk Blvd., University of Kansas, Lawrence, KS 66045 www.kars.ku.edu

Dr. David Cochran (david.cochran@usm.edu 601-266-4729)

Department of Geography and Geology, University of Southern Mississippi, 118 College Drive, Box #5051
Hattiesburg, MS 39406

Dr. Kevin P. Price (kevin@agapixel.com, 785-393-5428)

EVP Research and Technology Development
RoboFlight Systems, LLC.
5530 West Parkway, Suite 300
Johnston, IA 50131

Dr. Richard Courtney (courtney@kutztown.edu, 610-683-4941)

Chair, Department of Geography
Kutztown University of Pennsylvania
105 Graduate Center, Kutztown, PA 19530