

Jonathan D. Phillips—Curriculum Vita

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Department of Geography
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Employment and Professional Experience

- Professor, Department of Geography, University of Kentucky, 2000 – present.
University Research Professor, 2006-present.
- Chief Scientist, Copperhead Road Geosciences, LLC, 2006-2013 (also CEO, CFO, secretary, custodian, & technician).
- Professor and Head, Department of Geography, College of Geosciences, Texas A&M University, 1997 - 2000.
- Assistant to Full Professor, Department of Geography, East Carolina University, 1988-1997. Also adjunct professor of geology.
- Assistant Professor, Department of Geography, Arizona State University, 1986-1988.
- Executive Director, Pamlico-Tar River Foundation, Washington, N.C., 1984-86.
- Various part-time research and teaching positions: Rutgers University, East Carolina University, Pitt County Community College; 1980-1984.
- Various full- and part-time journalism positions: Washington, N.C., Vanceboro, N.C., Christiansburg, Va., 1977-84.

Education

Ph.D., 1985, Rutgers University. Major: Geography/Geomorphology.

M.A., 1982, East Carolina University. Major: Physical Geography.

B.A., 1979, Virginia Tech. Major: Communications. Minor: Environmental science.

North Carolina High School Equivalency Certificate, 1975.

Publications--refereed articles, chapters, and books

(*indicates student at time of submission).

Phillips, J.D., 2017. Landform transitions in a fluviokarst landscape. *Zeitschrift für Geomorphologie* (accepted for publication).

Phillips, J.D., 2017. Soil complexity and pedogenesis. *Soil Science* (accepted for

publication).

Phillips, J.D., 2017. Coastal wetlands, sea-level, and the dimensions of geomorphic resilience. *Geomorphology*, <http://dx.doi.org/10.1016/j.geomorph.2017.03.022>.

James, L.A., Phillips, J.D., Lecce, S.A., 2017. A Centennial Tribute to G.K. Gilbert's "Hydraulic Mining Débris in the Sierra Nevada." *Geomorphology* (accepted for publication).

Phillips, J.D., Van Dyke, C., 2017. Geomorphological state-and-transition models. *Catena* 153: 168-181.

Phillips, J.D., 2017. Laws, place, history and the interpretation of landforms. *Earth Surface Processes & Landforms* 42: 347-354.

*Jerin, T., Phillips, J.D., 2017. Local efficiency in fluvial systems: Lessons from Icicle Bend. *Geomorphology* 282: 119-130.

Phillips, J.D., Šamonil, P., Pawlik, L., Trochta, J., *Daněk, P., 2017. Domination of hillslope denudation by tree uprooting in an old-growth forest. *Geomorphology* 276: 27-36.

*Abd-Elmabod, S.K., Jordan, A., Fleskens, L., Phillips, J.D., Munoz-Rojas, M., van der Ploeg, M., Anaya-Romero, M., El-Ashry, S., de la Rosa, D. 2017. Modeling agricultural suitability along soil transects under current conditions and improved scenario of soil factors. *Soil Mapping & Process Modeling for Sustainable Land Use Management* (ed. P. Pereira, E.C. Brevik, M. Munoz-Rojas, B.A. Miller). Amsterdam: Elsevier, p. 193-219.

Pawlik, L., Phillips, J.D., Samonil, P., 2016. Roots, rock, and regolith: biomechanical and biochemical weathering by trees and its impact on hillslopes - A critical literature review. *Earth-Science Reviews* 159: 142-159.

Phillips, J.D., 2016. Complexity of Earth surface system evolutionary pathways. *Mathematical Geosciences* 48: 743-765. DOI 10.1007/s11004-016-9642-1

Phillips, J.D., 2016. Vanishing point: scale independence in geomorphic hierarchies. *Geomorphology* 266: 66-74.

*Daněk, P., Šamonil, P., Phillips, J.D., 2016. Geomorphic controls of soil spatial complexity in a primeval mountain forest in the Czech Republic. *Geomorphology* 273: 280-291.

Shouse, M.L., Phillips, J.D., 2016. Soil deepening by trees and the effects of parent material. *Geomorphology* 269: 1-7.

Phillips, J.D., *Van Dyke, C., 2016. Principles of geomorphic disturbance and recovery in response to storms. *Earth Surface Processes and Landforms* 41: 971-979. DOI: 10.1002/esp.3912.

Phillips, J.D., 2016. Biogeomorphology and contingent ecosystem engineering in karst landscapes. *Progress in Physical Geography* 40: 503-526. DOI: 10.1177/0309133315624641

Phillips, J.D., 2016. Landforms as extended composite phenotypes. *Earth Surface Processes & Landforms* 41: 16-26.

Phillips, J.D., 2016. Identifying sources of soil landscape complexity with spatial adjacency graphs. *Geoderma* 267: 58-64.

Phillips, J.D., 2015. Stream buffers. In *Texas Riparian Areas* (Hardy, T.B., Davis, N.A., eds.). Texas A&M University Press, p. 23-29.

Phillips, J.D., 2015. Riparian geomorphology. In *Texas Riparian Areas* (Hardy, T.B., Davis, N.A., eds.). Texas A&M University Press, p. 31-46.

Phillips, J.D., Schwanghart, W., Heckmann, T., 2015. Graph theory in the geosciences. *Earth-Science Reviews* 143: 147-160.

Heckmann, T., Schwanghart, W., Phillips, J.D., 2015. Graph theory—recent developments and its application in geomorphology. *Geomorphology* 243, 130-146.

Phillips, J.D., 2015. Badass geomorphology. *Earth Surface Processes & Landforms* 40, 22-33.

Phillips, J.D., Marion, D.A., Yocum, C., Mehlhope, S.H., Olson, J.W. 2015. Geomorphological impacts of a tornado disturbance in a subtropical forest. *Catena* 125, 111-119.

Phillips, J.D., 2015. Hydrologic and geomorphic flow thresholds in the lower Brazos River, Texas, USA. *Hydrological Sciences Journal* 60, 1631-1648.

Phillips, J.D., 2015. The robustness of chronosequences. *Ecological Modelling* 298: 16-23.

Lin, H., Vogel, H.-J., Phillips, J.D., Fath, B.D., 2015. Complexity of soils and hydrology in ecosystems. *Ecological Modelling* 298: 1-3 (introduction to special issue co-edited by the authors).

Fei, S., Phillips, J.D., *Shouse, M.A., 2014. Biogeomorphic impacts of invasive species. *Annual Review of Ecology, Evolution, and Systematics* 45: 69-87.

Phillips, J.D., 2014. Anastomosing channels in the lower Neches River valley, Texas. *Earth Surface Processes and Landforms* 39:1888-1899

Phillips, J.D., 2014. Thresholds, mode-switching and emergent equilibrium in geomorphic systems. *Earth Surface Processes and Landforms* 39: 71-79. DOI:

10.1002/esp.3492 (invited *State of the Science* contribution).

Marion, D.A., Phillips, J.D., Yocum, C., *Mehlhop, S.H., 2014. Stream channel responses and soil loss at off-highway vehicle stream crossings in the Ouachita National Forest. *Geomorphology* 216: 40-52.

Phillips, J.D., 2014. State transitions in geomorphic responses to environmental change. *Geomorphology* 204: 208-216.

Phillips, J.D., 2013. Sources of spatial complexity in two coastal plain soil landscapes. *Catena* 111: 98-103.

Lorz, C., Frühauf, M., Mailänder, R., Phillips, J.D., Kleber, A., 2013. Influence of cover beds on soils. In Kleber, A., Terhorst, B., eds., *Mid-Latitude Slope Deposits (Cover Beds)*, Developments in Sedimentology vol. 66. Amsterdam: Elsevier, p. 95-125.

Phillips, J.D., 2013. Watershed fragmentation in coastal plain rivers. *Physical Geography* 34: 273-292.

Kim, D., Phillips, J.D., 2013. Predicting the structure and mode of vegetation dynamics: an application of graph theory to state-and-transition models. *Ecological Modelling* 265: 64-73.

Phillips, J.D. 2013. Geomorphic responses to changes in instream flows: the flow-channel fitness model. *River Research and Applications* 29: 1175-1194.

Phillips, J.D., 2013. Evaluating taxonomic adjacency as a source of soil map uncertainty. *European Journal of Soil Science* 64: 391-400.

Phillips, J.D., 2013. Nonlinear dynamics, divergent evolution, and pedodiversity. *Pedodiversity* (Ibanez, J.J., Bockheim, J., eds). Boca Raton, FL: CRC Press, p. 59-82.

Phillips, J.D., 2013. Networks of historical contingency in Earth surface systems. *Journal of Geology* 121: 1-16.

Phillips, J.D. 2013. Hydrological connectivity of abandoned channel water bodies on a coastal plain river. *River Research and Applications* 29: 149-160.

Phillips, J.D., 2012. Storytelling in Earth sciences: the eight basic plots. *Earth-Science Reviews* 115: 153-162.

Phillips, J.D. 2012. Logjams and avulsions in the San Antonio River delta. *Earth Surface Processes and Landforms* 37: 936-950.

Phillips, J.D. 2012. Synchronization and scale in geomorphic systems. *Geomorphology* 137: 150-158.

- Phillips, J.D. 2011. Drainage area and incised valley fills in Texas rivers: a potential explanation. *Sedimentary Geology* 242: 65-70.
- Phillips, J.D. 2011. The structure of ecological state transitions: amplification, synchronization, and constraints. *Ecological Complexity* 8, 336-346.
- Phillips, J.D. 2011. Emergence and pseudo-equilibrium in geomorphology. *Geomorphology* 132: 319-326.
- Phillips, J.D. 2011. Disturbance and responses in geomorphic systems. *The Sage Handbook of Geomorphology* (K.J. Gregory, A.S. Goudie, eds.). London: Sage, p. 555-566.
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- Phillips, J.D. 2010. Relative importance of intrinsic, extrinsic, and anthropic factors in the geomorphic zonation of the Trinity River, Texas. *Journal of the American Water Resources Association* 46: 807-823.
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- Phillips, J.D., *Park, L. 2009. Forest blowdown impacts of Hurricane Rita on fluvial systems. *Earth Surface Processes and Landforms* 34: 1069-1081.
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- Phillips, J.D. 2009. Biological energy in landscape evolution. *American Journal of Science* 309: 271-290.
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- Phillips, J.D., *Lutz, J.D. 2008. Profile convexities in bedrock and alluvial streams. *Geomorphology* 102: 554-566.
- Phillips, J.D., Marion, D.A., Turkington, A.V. 2008. Pedologic and geomorphic impacts of a tornado blowdown event in a mixed pine-hardwood forest. *Catena* 75: 278-287.
- Phillips, J.D., Lorz, C. 2008. Origins and implications of soil layering. *Earth-Science Reviews* 89: 144-155.
- Phillips, J.D. 2008. Soil system modeling and generation of field hypotheses. *Geoderma* 145: 419-425.
- Phillips, J.D. 2008. Geomorphic controls and transition zones in the lower Sabine River. *Hydrological Processes* 22: 2424-2437.
- Phillips, J.D. 2008. Goal functions in ecosystem and biosphere evolution. *Progress in Physical Geography* 32: 51-64.
- Phillips, J.D., Slattery, M.C. 2008. Antecedent alluvial morphology and sea level controls on form-process transition zones in the lower Trinity River, Texas. *River Research and Applications* 24: 293-309.
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- Phillips, J.D., Gomez, B. 2007. Controls on sediment export from the Waipaoa River basin, New Zealand. *Basin Research* 19: 241-252.
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- Phillips, J.D., Marion, D.A. 2006. The biomechanical effects of trees on soils and regoliths: beyond treethrow. *Annals of the Association of American Geographers* 96: 233-247.
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Wellmeyer, J.L., Slattery, M.C., Phillips, J.D. 2005. Quantifying downstream impacts of impoundment on flow regime and channel planform, lower Trinity River, Texas. *Geomorphology* 69: 1-13.

Phillips, J.D., Marion, D.A., Luckow, K., *Adams, K.R. 2005. Nonequilibrium regolith thickness in the Ouachita Mountains. *Journal of Geology* 113: 325-340.

Phillips, J.D., Luckow, K., Marion, D.A., *Adams, K.R. 2005. Rock fragment distributions and regolith evolution in the Ouachita Mountains. *Earth Surface Processes and Landforms* 30: 429-442.

Phillips, J.D., 2005. Weathering, instability, and landscape evolution. *Geomorphology* 67: 255-272. Special issue on Weathering and Landscape Evolution, Proceedings of the 35th Binghamton Geomorphology Symposium. Turkington, A.V., Campbell, S.W., Phillips, J.D., editors.

Turkington, A.V., Phillips, J.D., Campbell, S.W. 2005. Weathering and landscape evolution: introduction. *Geomorphology* 67: 1-6. Special issue on Weathering and Landscape Evolution, Proceedings of the 35th Binghamton Geomorphology Symposium. Turkington, A.V., Campbell, S.W., Phillips, J.D., editors.

Phillips, J.D. 2005. Entropy analysis of multiple scale causality and qualitative causal shifts in spatial systems. *Professional Geographer* 57: 83-93.

Phillips, J.D., Marion, D.A. 2005. Biomechanical effects, lithological variations, and local pedodiversity in some forest soils of Arkansas. *Geoderma* 124: 73-89.

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Phillips, J.D. 2004. Geogenesis, pedogenesis and multiple causality in the formation of texture-contrast soils. *Catena* 58: 275-295.

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Phillips, J.D., Slattery, M.C., *Musselman, Z.A. 2004. Dam-to-delta sediment inputs and storage in the lower Trinity River, Texas. *Geomorphology* 62: 17-34.

Phillips, J.D., *Walls, M.D. 2004. Flow partitioning and unstable divergence in fluvio karst evolution in central Kentucky. *Nonlinear Processes in Geophysics* 11: 371-381.

Phillips, J.D., *Martin, L.L., *Nordberg, V.G., *Andrews, W.A. 2004. Divergent evolution in fluvio karst landscapes of central Kentucky. *Earth Surface Processes and Landforms* 29: 799-819.

Turkington, A.V., Phillips, J.D. 2004. Cavernous weathering, dynamical instability and self-organization. *Earth Surface Processes and Landforms* 29: 665-675.

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Phillips, J.D. 1992. The end of equilibrium? In *Geomorphic Systems*, above. *Geomorphology* 5: 195-201.

Trofimov, A.M., Phillips, J.D. 1992. Theoretical and methodological premises of geomorphological forecasting. In *Geomorphic Systems*, above. *Geomorphology* 5: 203-211.

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- Phillips, J.D. 1992. Deterministic chaos in surface runoff. In *Overland Flow: Hydraulics and Erosion Mechanics* (A.J. Parsons, A.D. Abrahams, eds.). London: UCL Press, pp. 177-197.
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- Phillips, J.D., Holder, G.R. 1991. Large organic debris in the lower Tar River, North Carolina, 1879-1900. *Southeastern Geographer* 31: 55-66.
- Phillips, J.D. 1991. Upstream pollution sources and coastal water quality protection in North Carolina. *Coastal Management* 19: 439-449.
- Phillips, J.D. 1991. The human role in earth surface systems: Some theoretical considerations. *Geographical Analysis* 23: 316-331.
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- Phillips, J.D. 1991. Fluvial sediment delivery to a Coastal Plain estuary in the Atlantic Drainage of the United States. *Marine Geology* 98: 121-134.
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- Phillips, J.D. 1990. A saturation-based model for wetland identification. *Water Resources Bulletin* 26: 333-342.
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- Phillips, J.D. 1989. Estimating minimum achievable soil loss in developing countries. *Applied Geography* 9: 219-236.
- Phillips, J.D. 1989. Minimum achievable soil loss: An alternative framework for soil conservation goal-setting. *Papers and Proceedings of the Applied Geography Conference* 12: 122-128.
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- Phillips, J.D. 1989. An evaluation of the state factor model of soil ecosystems. *Ecological Modelling* 45: 165-177.
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- Phillips, J.D. 1989. Erosion and planform irregularity of an estuarine shoreline. *Zeitschrift fur Geomorphologie Suppl.* 73: 59-71.
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- Phillips, J.D. 1988. The role of spatial scale in geomorphic systems. *Geographical Analysis* 20: 359-368.
- Phillips, J.D. 1988. Incorporating fluvial change in hydrologic simulations: A case study in coastal North Carolina. *Applied Geography* 8: 25-36.
- Phillips, J.D., Phillips, L.R. 1988. Delineation of shoreline buffer zones for stormwater pollution control. In *Coastal Water Resources* (W. Lyke, T. Hoban, eds.). Bethesda, Md.: American Water Resources Association, pp. 351-358.
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- Phillips, J.D. 1987. Sediment budget stability in the Tar River basin, North Carolina. *American Journal of Science* 287: 780-794.
- Phillips, J.D. 1987. Shoreline processes and establishment of *Phragmites australis* in a coastal plain estuary. *Vegetatio* 71: 139-144.
- Phillips, J.D. 1987. Choosing the level of detail for depicting two-variable spatial relationships. *Mathematical Geology* 19(6): 539-547.
- Phillips, J.D. 1986. Coastal submergence and marsh fringe erosion. *Journal of Coastal Research* 2: 427-436.
- Phillips, J.D. 1986. The utility of the sediment budget concept in sediment pollution control. *Professional Geographer* 38: 246-252.
- Phillips, J.D. 1986. Sediment storage, sediment yield, and time scales in landscape denudation studies. *Geographical Analysis* 18: 161-167.
- Phillips, J.D. 1986. Spatial analysis of shoreline erosion, Delaware Bay, New Jersey. *Annals of the Association of American Geographers* 76: 50-62.
- Phillips, J.D. 1986. Measuring complexity of environmental gradients. *Vegetatio* 64: 95-102.
- Phillips, J.D. 1985. Headland-bay beaches revisited: An example from Sandy Hook, New Jersey. *Marine Geology* 65: 21-31.
- Phillips, J.D. 1985. Stability of artificially-drained lowlands: A theoretical assessment. *Ecological Modelling* 27: 69-79.
- Phillips, J.D. 1985. Estimation of optimal beach profile sample intervals. *Journal of Coastal Research* 1: 187-191.

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Phillips, J.D. 1985. Transgression and vegetation change, Delaware Bay, New Jersey. *Gambling With the Shore*, Proceedings of the Ninth Annual Conference of the Coastal Society. Bethesda, Md.: The Coastal Society, pp. 167-173.

Phillips, J.D. 1984. Estimation of drainage areas in a homogeneous landscape. *Water Resources Bulletin* 20: 847-850.

Phillips, J.D., Steila, D. 1984. Hydrologic equilibrium status of a disturbed eastern North Carolina watershed. *GeoJournal* 9: 351-357.

Research Grants and Contracts (Dates, title, funding entity, amount, role).

2013. Coevolution of Soils and Ecosystems in Unmanaged Forests of the Czech Republic. European Union, \$4,000. co-PI.

2012-13. Geomorphic Thresholds in the lower Brazos River, Texas. Texas Instream Flow Program, \$45,000, PI.

2012. Geomorphology of the Lower Trinity River in the Vicinity of the Proposed Capers Ridge Pump Station for the Luce Bayou Interbasin Transfer Project. AECOM, Inc., Houston, TX. Amount withheld at client request.

2011. Geomorphic Responses to Changes in Flow Regimes in Texas Rivers. Texas Instream Flow Program, \$35,000, PI.

2011-12. Riparian Geomorphology and Buffer Zones. Texas Water Development Board, \$12,000, PI.

2011. Channel Cross Sections and Critical Flow Levels in Texas Streams. Subcontract to River Systems Institute, Texas State University, \$6,000.

2010-2013. Impacts of Off-Highway Vehicle Trails in the Ouachita National Forest. USDA Forest Service, \$60,000. P.I.

2010-11. Channel Change Caused by Water and Sediment Distribution in the San Antonio River Deltaic Plain. Guadalupe-Blanco River Authority, \$44,000, P.I.

2010. Hydraulic Units of the Sabine River. Texas Instream Flow Program. \$52,000, P.I.

2009-10. Geomorphic Study of the Guadalupe River, Texas. Texas Instream Flow Program. \$45,000, P.I.

2008. Texas/Louisiana Flow Split in the Sabine River/Cutoff Bayou Area. TCB, Inc., Houston Texas. Amount withheld at client's request. Consultant.

2007-2008. Geomorphic Processes, Controls, and Transition Zones in the Middle and Lower Trinity River. Texas Instream Flow Program, \$45,000. P.I.

2007-2008. Geomorphic Units of the Lower Sabine River. Texas Instream Flow Program, \$35,000. P.I.

2006-2007. Field-Based Analysis in support of a Geomorphic Assessment of the Brazos and Navasota River Subbasin. Texas Instream Flow Program, \$30,000. P.I.

2006-2007. Geomorphic Equilibrium in Southeast Texas Rivers. Texas Instream Flow Program, \$30,000. P.I.

2006-2007. Geomorphic Processes, Controls, and Transition Zones in the Lower Sabine River. Texas Water Development Board/U.S. Army Corps of Engineers, \$65,000. P.I.

2005-2006. Geomorphic Context, Constraints, and Change in the Lower Brazos and Navasota Rivers, Texas. Texas Instream Flow Program, \$28,000. P.I.

2004-2006. Fluviokarst Landscape Whole-System Sensitivity to Land Use Changes, Kentucky River, U.S.A. U.S. Environmental Protection Agency, Science to Achieve Results Program, \$37,172. Co-investigator.

2004-2006. Effects of trees on bedrock weathering, soil thickness, and rock fragment occurrence in Ouachita Mountain Soils. U.S. Forest Service, \$20,817 plus in-kind support. P.I.

2004-2005. Relative Importance of Fluvial and Non-Fluvial Sediment Sources in Galveston Bay. Texas Water Development Board. \$61,000. Co-P.I.

2003-2005. Sediment production and alluvial buffering in a steepland river basin Waipoa River, New Zealand. National Science Foundation, \$250,000, Co-P.I.

2001-2004. Sediment retention in the lower Trinity River. Texas Water Development Board, \$65,000. P.I.

2002-2003. Coevolution of forests and soils in the Ouachita Mountains. U.S. Forest Service, \$16,600 plus USFS in-kind support. P.I.

2001-2002. Pedologic effects of forest changes in the Ouachita mountains region. U.S. Forest Service, \$20,000 plus USFS in-kind support. P.I.

1999-2000. Radionuclide signatures of fluvial sediment in Caney Creek, Texas. U.S. Forest Service \$7,000 and Texas A&M College of Geosciences Research Enhancement Fund match, \$7,000. PI.

1999-2001. Sediment retention in bottomland hardwoods of the Angelina River, Texas. Texas Water Development Board, \$50,000. PI 1999/2000; co-PI 2000/2001.

1998-2000. Mission Geography. NASA. Total project funding \$950,000; Phillips portion \$10,000. Earth System Science Consultant.

1995-1998. Quantifying soil erosion and sediment delivery on North Carolina Coastal Plain croplands. U.S. Department of Agriculture, \$149,000. Co-PI.

1994-1995. Pre-settlement landscapes of the Croatan National Forest. U.S. Forest Service, \$10,000. PI.

1993-1994. Overbank sedimentation during the upper Mississippi River flood, 1993. National Science Foundation, \$22,000. Co-PI.

1990. Basinwide water quality and natural resource management plan for the Pamlico-Tar River basin. Pamlico-Tar River Foundation, Inc., \$6,500. Project Director.

1988-1989. Marina siting policy for the Pamlico River and western Pamlico Sound. Pamlico-Tar River Foundation, Inc., \$5,515. Project Director.

1987. Nonpoint source pollution spatial risk assessment. Environmental Science and Engineering Fellowship, American Association for the Advancement of Science and U.S. Environmental Protection Agency, \$20,000. PI/Fellow.

1984. Geomorphic evaluation of beach nourishment, South Beach, Sandy Hook, N.J. National Park Service, \$5000. Co-PI.

1983-1984. Impacts of beach nourishment, South Beach, Sandy Hook, N.J. National Park Service, \$12,000. Co-PI.

Internal research grants: University of Kentucky, 2007; Texas A&M University, 1999; East Carolina University, 1992; 1990; 1989; Arizona State University, 1987.

Other Professional Grants and Contracts

1993. Physical geography data acquisition system. National Science Foundation, \$13,000. Co-PI.

1985-1987. Water quality and coastal resource management in the Pamlico-Albemarle region, North Carolina. Mary Flagler Cary Charitable Trust, \$22,000. Project Director.

1985-1987. Water quality and pollution control in the Pamlico-Tar River watershed, North Carolina. Z. Smith Reynolds Foundation, \$50,000. Project Director.

1986-1987. Environmental education and outdoor recreation in Medoc Mountain State Park. North Carolina Division of Parks and Recreation, \$1,000. Project Director.

1985. Pamlico-Tar River Maritime Heritage Festival. National Endowment for the Humanities, \$3,140. Project Director.

Professional Memberships & Service

Member, Current: American Geophysical Union, Southeastern Division Association of American Geographers, International Association of Geomorphologists, International Association of Hydrological Sciences, International Union of Soil Scientists

International Conference on Hydropedology, 2012, program committee and session co-organizer.

International Union of Soil Sciences, Symposium Co-Organizer, 2006 World Congress of Soil Science.

Manuscript reviewer for 59 separate scholarly journals of geography, geology, environmental science, hydrology, and soil science.

Proposal reviewer for four U.S. federal agencies, eight foreign agencies, six state agencies, and six private organizations or foundations.

External tenure and promotion reviewer for 36 U.S. universities and four non-U.S. universities. Program reviews for three U.S. and one Canadian university.

Editorial board memberships:

Current: *Geomorphology*, *Geoderma*, *Earth Surface Processes & Landforms*, *Transactions of the Institute of British Geographers*, *New Zealand Geographer*, *The Professional Geographer*

Previous: *Annals of the Association of American Geographers*, *Annual Review of Chaos and Bifurcations*, *Southeastern Geographer*, *Geographical Analysis*, *Focus*

Awards (post-PhD)

2017. *Melvin Marcus Distinguished Career Award*. Geomorphology Specialty Group, Association of American Geographers.

2014. *David Linton Medal*. British Society for Geomorphology.

2006. *University Research Professor*. University of Kentucky.

1999. *Distinguished Achievement Award for Research*. College of Geosciences, Texas A&M University.

1997. *G.K. Gilbert Award for Excellence in Geomorphic Research*. Geomorphology Specialty Group, Association of American Geographers.

1995. *Research Honors Award*. Southeastern Division, Association of American Geographers.

1990. *Great Blue Heron Award* for environmental advocacy, Pamlico-Tar River Foundation, Inc.

1990. *Research Achievement Award for New Scholars*, Conference of Southern Graduate Schools.

1989. *College Research Award*, College of Arts and Sciences, East Carolina University.

1987. *Environmental Science and Engineering Fellowship*, American Association for the Advancement of Science.

Personal

Born: 4 November 1957, Roxboro, North Carolina.

Family: Married to Lynn Roche Phillips since 18 June 1983. Sons: Nathan Scott Phillips, born 18 June 1988; Damien Phillips, born 18 February, 1996. Granddaughter: Caroline Harper Phillips, born 19 August, 2014.